

Open Courseware Medical/Healthcare Ba/Ma - Versie 24-04-2020

1. Dit bestand bevat circa 200 open courseware titels met beschrijving, keyword, link, instituut, niveau en (indien bekend) de tijdsinvestering.
2. Snel zoeken in dit bestand; via de zoekfunctie van dit pdf bestand.
3. Om achter de tijdsinvestering per cursus te komen moet je soms zoeken in de materialen zelf.
4. Het kan zijn dat de link niet werkt omdat deze onlangs is geupdate (bijvoorbeeld bij de universiteit van Michigan is dat zo). Zoek dan op titel bij het instituut zelf, of zoek via de [zoekmachine van Merlot](#).
5. Alle cursussen in dit bestand zijn "self paced". Je krijgt alleen het studiemateriaal, soms zijn er zelftoetsen of eindtoetsen bij.
6. De titels zijn geselecteerd door 3^e en 4^e jaars studenten geneeskunde o.b.v. deze criteria: inhoudelijk correct, up-to-date, cultureel redelijk compatibel met NL, Engelse taal, multimediegebruik, aantrekkelijk materiaal. Slechts 18% van de gereviewde materialen is goedgekeurd en in dit bestand opgenomen. Er is dus 82% aan ruis en ongeschikt materiaal uitgefilterd.
7. Dit bestand wordt regelmatig bijgewerkt.

Title	Pathophysiology of endocrinology, diabetes and metabolism				
Keywords	diabetes, endocrinology, pathophysiology				
URL	http://ocw.tufts.edu/Course/14/Lecturenotes				
Description	<p>In addition to covering the basics in the Concepts in Endocrine Pathophysiology lecture, the lectures in this course cover a wide range of subjects, from Pituitary Neoplasia to Diabetes and Obesity - Treatment to Goiter and Thyroid Nodular Disease. The course also contains Small Group Discussion sessions which consolidate the concepts and facts acquired during the lectures and pursues the ability to solve common clinical problems in Endocrinology and Metabolism with sample cases and solutions.</p> <p>Covers all diabetes and all endocrinology major sub-specialities. The notes are set out in a way that they can be used as stand alone learning material, and the case based studies and very good tutorial or assessment material. Answers provided.</p>				
Institute	Tufts University	Duration	25 uur voor de hele course, per course 1-2 uur	Level	Ba 2 (basic)

Title	Renal Pathophysiology
Keywords	renal pathophysiology, elektrolyte, lectures
URL	http://ocw.tufts.edu/Course/33/Lecturenotes
Description	These open-access lecture notes series provide notes on an introduction to acid base disorders, metabolic acidosis and metabolic alkalosis. They are very clearly

	laid out and start from 1st principles as well as giving some clinical examples. They would benefit from further clinical examples with worked solutions.				
	Elke file (per onderwerp) zo'n 10-15 pagina's met tekst met ondersteunende dia's.				
Institute	Tufts University	Duration	1 hour per lecture	Level	Ba Ma Spec

Title	Introductory Biology				
Keywords	biochemistry, genetics, cell biology, molecular biology				
URL	http://ocw.mit.edu/courses/biology/7-016-introductory-biology-fall-2014/index.htm				
Description	Introductory Biology provides an introduction to fundamental principles of biochemistry, molecular biology and genetics for understanding the functions of living systems. Taught for the first time in Fall 2013, this course covers examples of the use of chemical biology and twenty-first-century molecular genetics in understanding human health and therapeutic intervention.				
	Uitgebreide cursus over celbiologie, veelal op moleculair niveau. Incl. oefenexamens en antwoorden				
Institute	Massachusetts Institute of Technology	Duration	5 u/week	Level	Ba

Title	Principles of Human Disease				
Keywords	genetics, cancer, pathophysiology				
URL	http://ocw.mit.edu/courses/biology/7-27-principles-of-human-disease-spring-2006/index.htm				
Description	This course covers current understanding of, and modern approaches to human disease, emphasizing the molecular and cellular basis of both genetic disease and cancer. Topics include: The Genetics of Simple and Complex Traits; Karyotypic Analysis and Positional Cloning; Genetic Diagnosis; The Roles of Oncogenes and Tumor Suppressors in Tumor Initiation, Progression, and Treatment; The Interaction between Genetics and Environment; Animal Models of Human Disease; Cancer; and Conventional and Gene Therapy Treatment Strategies.				
	Cursus over moleculaire en cellulaire basis van ziekten, mn toegespitst op kanker				
Institute	Massachusetts Institute of Technology	Duration	3/week	Level	Ba

Title	Under the Radar Screen: How Bugs Trick Our Immune Defenses				
Keywords	immunology, microbes, infectious diseases				

URL	http://ocw.mit.edu/courses/biology/7-340-under-the-radar-screen-how-bugs-trick-our-immune-defenses-spring-2007/index.htm				
Description	<p>In this course, we will explore the specific ways by which microbes defeat our immune system and the molecular mechanisms that are under attack (phagocytosis, the ubiquitin/proteasome pathway, MHC I/II antigen presentation). Through our discussion and dissection of the primary research literature, we will explore aspects of host-pathogen interactions. We will particularly emphasize the experimental techniques used in the field and how to read and understand research data. Technological advances in the fight against microbes will also be discussed, with specific examples.</p> <p>Cursus over infectieziekten en -processen, gaat vooral in op experimentele technieken.</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week 12 weken 24 uur totaal	Level	Ba

Title	The DNA Damage Response as a Target for Anti-Cancer Therapy				
Keywords	DNA, cancer, cell cycle, cell biology				
URL	http://ocw.mit.edu/courses/biology/7-341-the-dna-damage-response-as-a-target-for-anti-cancer-therapy-fall-2008/syllabus/				
Description	<p>In this class we will analyze classical and recent papers from the primary research literature to gain a profound understanding of cell cycle regulation and DNA damage checkpoints that act as powerful emergency brakes to prevent cancer. We will consider basic principles of cell proliferation and molecular details of the DNA damage response and we will discuss the methods and model organisms typically used in this field. Building on this foundation we will explore new concepts in the treatment of cancer that are based on and exploit characteristic differences in the DNA damage response between normal cells and cancer cells. While mutations in genes involved in cell cycle control and the DNA damage response allow the runaway proliferation of incipient cancer cells, it can also be seen as the "Achilles heel" of cancer. We will see that therapeutic regimens emerge that are guided by a spectrum of characteristic mutations that differ between individual patients — paving the way for personalized anti-cancer therapy. This course will not stop at discussing the research literature. We will go one step further by gathering and analyzing real data in an MIT Cancer biology laboratory.</p> <p>Cursus die focust op DNA schade tijdens de celcyclus die kanker veroorzaakt.</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week 15 weken 30 uur totaal	Level	Ba

Title	The Biology of Aging: Age-Related Diseases and Interventions				
Keywords	ageing, cell biology				
URL	http://ocw.mit.edu/courses/biology/7-342-the-biology-of-aging-age-related-diseases-and-interventions-fall-2011/Syllabus/				

Description	<p>In this course, we will explore the scientific discoveries made from studies of model organisms, including yeast, worms, flies and mice, which have led to revelations about the molecular biology of aging. We will discuss calorie restriction, an intervention that extends the lifespan of organisms as diverse as yeast and primates, and the implications for successfully intervening in age-related diseases. We will also discuss the first tests of drugs such as resveratrol (a small molecule found in red wine) and rapamycin, which may target aging pathways in mammals. We will participate in a field trip to a meeting of the Boston Area Aging Data Club, where we will meet the authors of some of the papers that we have covered in class and hear a presentation by a researcher actively working on a hot topic in the field of aging.</p> <p>Cursus over achtergronden en oorzaak van veroudering en interventies.</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	Neuron-glia Cell Interactions in Biology and Disease				
Keywords	cell biology, neurology, glial cells				
URL	http://ocw.mit.edu/courses/biology/7-343-neuron-glia-cell-interactions-in-biology-and-disease-spring-2007/index.htm				
Description	<p>The main goal of this seminar will be to study the nervous system from the perspective of neuron-glia interactions. In each class, we will focus on one type of glial cell and discuss its origin, classification and function within the nervous system. Current findings concerning diseases associated with each type of glial cell will be discussed. Topics will include the behavior of glial cells in diseases such as Multiple Sclerosis (MS), glioblastoma multiforme (GBM), HIV-associated dementia (HAD), Alzheimer's Disease (AD), ischemia, hypoxia and epilepsy. We will also discuss the role of glial cells as neural stem cells in the adult brain and their importance in the effective rebuilding of damaged brains after injury or disease-associated neurodegeneration. The class will include a field trip to a medical school to observe clinical research concerning glial disorders.</p> <p>Cursus die dieper ingaat op de verschillende glia-cellen in het zenuwstelsel en bijbehorende ziektes.</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	Stem Cells: A Cure or Disease?				
Keywords	stem cells, cell biology, research, genome sequencing				
URL	http://ocw.mit.edu/courses/biology/7-349-stem-cells-a-cure-or-disease-spring-2011/Syllabus/				
Description	<p>In this course, we will explore the underlying biology behind the idea of using stem cells to treat disease, specifically analyzing the mechanisms that enable a single genome to encode multiple cell states ranging from neurons to fibroblasts to T cells. We will study new developments in the area of cellular reprogramming and transdifferentiation and highlight how we have gained the power to control cell states in a Petri dish. Specifically, this course will not only introduce</p>				

	<p>important biological concepts like pluripotency and epigenetics but also focus on key technologies that are used to study them, such as genome- wide sequencing and transcription-mediated reprogramming. We will also consider the potential consequences and limitations of stem cell therapy, particularly the connection between stem cells and cancer. Overall, we hope to provide a comprehensive overview of this exciting new field of research and its clinical relevance.</p> <p>Cursus die dieper ingaat op stamcellen en onderzoek hiernaar</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Sensory Systems				
Keywords	neuroscience, anatomy and physiology, sensory-neural systems, vision, audition				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-04-sensory-systems-fall-2013/				
Description	<p>This course examines the neural bases of sensory perception. The focus is on physiological and anatomical studies of the mammalian nervous system as well as behavioral studies of animals and humans. Topics include visual pattern, color and depth perception, auditory responses and sound localization, and somatosensory perception.</p> <p>Uitgebreide cursus over neurologische basis van zintuigperceptie. Bevat ook lecture video's.</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Neural Basis of Movement				
Keywords	neuroscience, sensory-neural systems, anatomy and physiology, motor control, sensory reception				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-05-neural-basis-of-movement-spring-2003/syllabus/				
Description	<p>One of the central questions in the field of motor control is to understand how our motor goals are translated into actions. This course review the general principles and specific examples of motor control in biological systems. Movement planning and the underlying neural mechanisms are explored and put in the context of the overall system operation. The structures and systems that are responsible for feedback and control will also be covered. These include sensory reception, reflex arcs, spinal cord organization, pattern generators, muscle function, locomotion, eye movement, and cognitive aspects of motor control. The central motor structures, and their interaction with the cerebellum, basal ganglia, and cerebral cortex, will be examined. Also, the role of cortical plasticity during motor learning, the computational approaches to motor control, and motor disorders are discussed.</p> <p>Cursus over basis bewegingsapparaat.</p>				

Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba
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Title	Parkinson's Disease Workshop				
Keywords	Parkinson's Disease, neuropathology, neuroscience, cognitive function, genetics				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-458-parkinsons-disease-workshop-summer-2006/syllabus/				
Description	<p>This six-week summer workshop explored different aspects of PD, including clinical characteristics, structural neuroimaging, neuropathology, genetics, and cognitive function (mental status, cognitive control processes, working memory, and long-term declarative memory). The workshop did not take up the topics of motor control, nondeclarative memory, or treatment.</p> <p>Basiscursus over de ziekte van Parkinson.</p>				
Institute	Massachusetts Institute of Technology	Duration	7 u/week	Level	Ba

Title	Introduction to Neuroanatomy				
Keywords	neuroanatomy, neuroscience, neurobiology, brain				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-97-introduction-to-neuroanatomy-january-iap-2003/index.htm				
Description	<p>This subject will be an intensive introduction to neuroanatomy, involving lectures, demonstrations, and hands-on laboratories, including a brain dissection. The course will not assume any prior knowledge of neuroanatomy, though some general knowledge of brain structures will be helpful.</p> <p>Basiscursus neuroanatomie, vooral nuttig in combinatie met lab/snijzaalpractica.</p>				
Institute	Massachusetts Institute of Technology	Duration	7 u/week	Level	Ba

Title	Gender, Health, and Society				
Keywords	gender, health, society, epidemiology, cancer, mental health, global health, public health				
URL	http://ocw.mit.edu/courses/womens-and-gender-studies/wgs-151-gender-health-and-society-spring-2016/index.htm				
Description	<p>This course draws on different disciplines, conceptual frameworks, and methodological approaches to examine gender in relation to health, including public health practice, epidemiologic research, health policy, and clinical application. It discusses a variety of health-related issues that illustrate global, international, domestic, and historical perspectives, while considering other social determinants of health as well, including social class and race.</p> <p>Cursus over de verschillen in gezondheid tussen geslachten, focust op verschillende ziektebeelden.</p>				

Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba
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Title	Computational Functional Genomics				
Keywords	genomics, genome structure, transcriptional regulation, stem cell biology, statistical data analysis, experiment design				
URL	http://ocw.mit.edu/courses/biology/7-90j-computational-functional-genomics-spring-2005/index.htm				
Description	<p>The course focuses on casting contemporary problems in systems biology and functional genomics in computational terms and providing appropriate tools and methods to solve them. Topics include genome structure and function, transcriptional regulation, and stem cell biology in particular; measurement technologies such as microarrays (expression, protein-DNA interactions, chromatin structure); statistical data analysis, predictive and causal inference, and experiment design. The emphasis is on coupling problem structures (biological questions) with appropriate computational approaches.</p> <p>Cursus die diep ingaat op DNA sequencing en transcriptie.</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ma

Title	The Visual System				
Keywords	visual system, anatomy and physiology, neurobiology, neuroscience, color vision, eye movements, motion perception, depth perception, pattern perception				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-036-the-visual-system-spring-2005/syllabus/				
Description	<p>In this seminar anatomical, neurophysiological, imaging and behavioral research will be examined in an attempt to gain a better understanding of how information is processed in the primate visual system. The first five sessions provide an overview of the functional and structural organization of the visual system with a critical examination of some of the basic issues in the field. Thereafter the emphasis will shift to the question of how various aspects of the visual scene are processed in the visual system. We will study color vision, adaptation, the role of eye movements in carrying out visual analysis, motion perception, depth perception and pattern perception. The last session will examine the issue of visual prosthesis. The reading assignments for the most part will draw on original research articles.</p> <p>Uitgebreide cursus over veel aspecten van het visuele systeem.</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba Ma

Title	Neurology, Neuropsychology, and Neurobiology of Aging				
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Keywords	neurology, neuropsychology, neurobiology, aging, memory loss, Alzheimer, Parkinson, neurodegenerative conditions, neuroscience				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-110j-neurology-neuropsychology-and-neurobiology-of-aging-spring-2005/index.htm				
Description	<p>Lectures and discussions in this course cover the clinical, behavioral, and molecular aspects of the brain aging processes in humans. Topics include the loss of memory and other cognitive abilities in normal aging, as well as neurodegenerative conditions such as Parkinson's and Alzheimer's diseases. Discussions based on readings taken from primary literature explore the current research in this field.</p> <p>Uitgebreide cursus over veroudering op neurologisch gebied, gaat ook in op ziekten zoals Alzheimer en Parkinson.</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Mechanisms of Drug Actions				
Keywords	drug actions, pharmacokinetics, pharmacodynamics, metabolism, toxic responses, therapeutic responses				
URL	http://ocw.mit.edu/courses/biological-engineering/20-201-mechanisms-of-drug-actions-fall-2013/index.htm				
Description	<p>This course addresses the scientific basis for the development of new drugs. The first half of the semester begins with an overview of the drug discovery process, followed by fundamental principles of pharmacokinetics, pharmacodynamics, metabolism, and the mechanisms by which drugs cause therapeutic and toxic responses. The second half of the semester applies those principles to case studies and literature discussions of current problems with specific drugs, drug classes, and therapeutic targets.</p> <p>Cursus over de basis van medicijnontwikkeling, basisprincipes van farmacokinetiek, -dynamiek etc. Incl. oefenexamens en antwoorden.</p>				
Institute	Massachusetts Institute of Technology	Duration	4 u/week	Level	BA

Title	Magnetic Resonance Analytic, Biochemical, and Imaging Techniques				
Keywords	magnetic resonance, imaging techniques, spectroscopy, medical imaging, NMR				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-584j-magnetic-resonance-analytic-biochemical-and-imaging-techniques-spring-2006/index.htm				
Description	<p>This course is an introduction to basic NMR theory. Examples of biochemical data obtained using NMR are summarized along with other related experiments. Students participate in detailed study of NMR imaging techniques, including discussions of basic cross-sectional image reconstruction, image contrast, flow and real-time imaging, and hardware design considerations. Exposure to laboratory NMR spectroscopic and imaging equipment is included.</p> <p>Gevorderde cursus over nuclear magnetic resonance technieken (NMR). Inclusief toets en antwoorden.</p>				

Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba
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Title	Designing and Sustaining Technology Innovation for Global Health Practice				
Keywords	global health, innovation, technology innovation, product development				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-939-designing-and-sustaining-technology-innovation-for-global-health-practice-spring-2008/syllabus/				
Description	<p>This interdisciplinary course will teach students how to critique and analyze various management programs and technology systems available within the global health space. Lectures and tutorials will offer didactic and experiential learning opportunities. The tutorials will serve as interactive discussion and training sessions to introduce the skills that will be used by the students to design an original field project and funding proposal. Skills will include those used by professionals in health economics, disease management, drug distribution, business planning and human resources in health.</p> <p>Interdisciplinaire cursus over innovatie, bekeken van meerdere kanten. Ook erg wereldwijd gericht.</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Biostatistics for Medical Product Regulation				
Keywords	biostatistics, basic study design, target population, comparison groups, endpoints, regulatory aspects, safety monitoring				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/BiostatMedicalProductRegulation/coursePage/index/				
Description	<p>Provides a broad understanding of the application of biostatistics in a regulatory context. Reviews the relevant regulations and guidance documents. Includes topics such as basic study design, target population, comparison groups, and endpoints. Addresses analysis issues with emphasis on the regulatory aspects, including issues of missing data and informative censoring. Discusses safety monitoring, interim analysis and early termination of trials with a focus on regulatory implications.</p> <p>Basicursus biostatistiek, basisprincipes van clinical trials.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Child Health and Development				
Keywords	child health, child development, cognitive development, emotional development, social development				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/childhealth/coursePage/index/				

Description	<p>Focuses on the core processes of growth and development in early to middle childhood. Considers developmental theories, issues and research findings related to physical growth and cognitive, emotional, and social development. Considers appropriate instruments to assess growth and development. Evaluates efficacy of popular early intervention programs designed to enhance development in at-risk populations of children.</p> <p>Cursus over de ontwikkeling van kinderen, epidemiologisch, neurologische ontwikkeling en de invloeden van buitenaf op de ontwikkeling</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ma

Title	Critical Analysis of Popular Diets and Dietary Supplements				
Keywords	diet, dietary supplements, obesity, weight control, weight loss				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/CriticalAnalysisPopularDietsSupplements/coursePage/index/				
Description	<p>There is much controversy and anecdotal information about popular diets and dietary supplements, but all too often little scientific or controlled clinical data. We examine the science behind normal mechanisms of weight control, and how weight loss diets are constructed and work. The aim of the course is to acquire the knowledge to critically appraise a weight control diet or dietary supplement and choose the best plan for success, both in the short-term and the long run. Students taking the actual class will, in addition to learning the lecture material presented here, complete in-class assignments where they choose a popular diet or supplement, research the scientific literature on this diet/supplement, and present a critical appraisal of its validity and efficacy.</p> <p>Cursus met basisinformatie over metabolisme, obesitas en manieren van gewichtsverlies.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Epidemiology of Infectious Diseases				
Keywords	epidemiology, infectious diseases, molecular epidemiology, transmission, acute respiratory infections, diarrheal diseases, hepatitis, HIV, tuberculosis, sexually transmitted diseases, malaria, vector-borne diseases				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/EpInfectiousDisease/coursePage/index/				
Description	<p>Introduces the basic methods for infectious disease epidemiology and case studies of important disease syndromes and entities. Methods include definitions and nomenclature, outbreak investigations, disease surveillance, case-control studies, cohort studies, laboratory diagnosis, molecular epidemiology, dynamics of transmission, and assessment of vaccine field effectiveness. Case-studies focus on acute respiratory infections, diarrheal diseases, hepatitis, HIV, tuberculosis, sexually transmitted diseases, malaria, and other vector-borne diseases.</p> <p>Cursus die ingaat op de epidemiologie van infectieziekten. Goede basisinformatie over verschillende ziekten en epidemiologisch belicht.</p>				

Institute	Johns Hopkins University	Duration	-	Level	Ba
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Title	Ethics of Human Subject Research				
Keywords	ethics, human subject research, research ethics, informed consent, research participation, privacy, confidentiality, human rights				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/EthicsHumanSubjectResearch/coursePage/index/				
Description	<p>The course introduces students to the ethics of human subject research. Ethical theory and principles are introduced, followed by a brief history of research ethics. Topics covered in lectures and moderated discussions include informed consent for research participation, role and function of institutional review boards, just selection of research subjects, ethical aspects of study design, and privacy and confidentiality. Student evaluation will be based on participation in moderated discussions, an informed consent exercise and written case analysis.</p> <p>Cursus waarin ethische dilemma's rondom wetenschappelijk onderzoek worden geanalyseerd, en wordt uitgelegd over de ethische principes en informed consent.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Fundamentals of Epidemiology I				
Keywords	epidemiology, biostatistics, epidemiologic investigation, classical statistic approaches, public health				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/FundEpi/coursePage/index/				
Description	<p>Fundamentals of Epidemiology I is the first half of a course that introduces the basic concepts of epidemiology and biostatistics as applied to public health problems. Emphasis is placed on the principles and methods of epidemiologic investigation, appropriate summaries and displays of data, and the use of classical statistical approaches to describe the health of populations. Topics include the dynamic behavior of disease; usage of rates, ratios and proportions; methods of direct and indirect adjustment, and clinical life table which measures and describes the extent of disease problems.</p> <p>Deel 1 van tweedelige cursus over de basisbegrippen van epidemiologie en biostatistiek, gericht op public health</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Fundamentals of Epidemiology II				
Keywords	epidemiology, biostatistics, epidemiologic investigation, classical statistic approaches, public health, genetics, environment policy, ethical issues, legal issues				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/fundepiii/coursePage/index/				
Description	<p>Fundamentals of Epidemiology II focuses on various epidemiologic study designs for investigating associations between risk factors and disease outcomes, culminating with criteria for causal inferences. The application of these disciplines in the areas of health services, screening, genetics, and environment policy are presented. The</p>				

	influence of epidemiology and biostatistics on legal and ethical issues are also discussed.				
	Deel 2 van tweedelige cursus over de basisbegrippen van epidemiologie en biostatistiek, gericht op public health. In dit deel komen verschillende statistische toetsen aan bod.				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Ethics of Human Subject Research				
Keywords	ethics, human subject research, research ethics, informed consent, research participation, privacy, confidentiality, human rights				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/EthicsHumanSubjectResearch/coursePage/index/				
Description	<p>The course introduces students to the ethics of human subject research. Ethical theory and principles are introduced, followed by a brief history of research ethics. Topics covered in lectures and moderated discussions include informed consent for research participation, role and function of institutional review boards, just selection of research subjects, ethical aspects of study design, and privacy and confidentiality. Student evaluation will be based on participation in moderated discussions, an informed consent exercise and written case analysis.</p> <p>Cursus waarin ethische dilemma's rondom wetenschappelijk onderzoek worden geanalyseerd, en wordt uitgelegd over de ethische principes en informed consent.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Health Issues for Aging Populations				
Keywords	aging, epidemiology, demography, biology, epidemiology of diseases, mental disorders, ethical issues				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/agingpopulations/coursePage/index/				
Description	<p>Introduces the study of aging, its implications for individuals, families, and society, and the background for health policy related to older persons. Presents an overview on aging from different perspectives: demography, biology, epidemiology of diseases, physical and mental disorders, functional capacity and disability, health services, federal and state health policies, social aspects of aging, and ethical issues in the care of older individuals.</p> <p>Basiscursus over veroudering. Belicht meerdere kanten zoals epidemiologie en ziektebeelden</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Introduction to the Ethics of Human Subjects Research				
Keywords	ethics, human subject research, research ethics, informed consent, research participation, privacy, confidentiality, human rights				

URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/introhsr/coursePage/index/				
Description	<p>Introduces students to ethics concepts as they apply to questions and challenges in conducting human subject research. The aim is to increase students' knowledge and skills to recognize and consider ethical issues that arise in the conduct of human subject research. The course was designed for clinical investigators in India who will likely collaborate with US investigators; it therefore includes a discussion of US and Indian regulatory requirements relevant to the conduct of collaborative research.</p> <p>Basiscursus over ethiek en wetenschappelijk onderzoek met mensen. Voorloper op "Ethics of Human Subject Research" Uitleg van basisbegrippen als informed consent en privacy en vertrouwelijkheid.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Issues in Survey Research Design				
Keywords	survey research design, bias, respondent recruitment, sample design, collection methods, instrument design, field administration, population surveys				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/surveyresearchdesign/coursePage/index/				
Description	<p>Leads participants through the process of designing their own survey. Examines the major decisions faced by a health researcher who wants to design and implement a survey. Explores the potential sources of bias associated with alternative approaches to sample design, respondent recruitment, data collection methods (interviews in-person or by telephone, computer assisted interviews, or mail surveys) instrument design, and field administration. Participants prepare a defensible proposal for a survey that they would like to conduct. Emphasizes population surveys, but not exclu</p> <p>Basiscursus die gaat over alle aspecten van wetenschappelijk onderzoek, zoals populatie en interviews. Ook leert het de studenten fouten in onderzoeken te herkennen en een eigen onderzoek op te zetten.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Occupational Health and Vulnerable Worker Populations				
Keywords	occupational health, worker populations, aging workers, workforces, adolescent workers, disability, obesity, mental illness, infectious disease, maintenance of employment				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/vulnerablepopulations/coursePage/index/				
Description	<p>Discusses occupational health program considerations, (including all levels of prevention), for vulnerable populations, using examples such as the health needs of women workers, shift workers, aging workers, families of workers, and workers with chronic diseases and impairments. Focuses on strategies for identifying and removing barriers that affect health and work performance; program development and management responsibilities; and cost issues related to implementing selected preventive and rehabilitative programs. Presents relevant research findings on the ability of vulnerable populations to benefit from safe and healthy working lives.</p>				

	Cursus die focust op verschillende ziektebeelden en (gezondheids)gevaaren die op de werkvloer voor kunnen komen. In bachelor wellicht geschikt voor vrije keuze. Anders meer als verdieping in de sector van bedrijfsgeneeskunde.				
Institute	Johns Hopkins University	Duration	-	Level	Ma Spec

Title	Preventing Infant Mortality and Promoting the Health of Women, Infants, and Children				
Keywords	infant mortality, epidemiology, perinatal health, neonatal morbidity, prevention, public health				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/PreventingInfantMortality/coursePage/readings/				
Description	<p>This course focuses on the historical problems and interventions associated with infant mortality. Describes the scientific basis for infant mortality and analyzes causes and consequences in a population and development of a programmatic and policy approach.</p> <p>Cursus die ingaat op de oorzaken en preventie van kindersterfte. Globaal gericht.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Principles of Human Nutrition				
Keywords	human nutrition, vitamins, minerals, dietary sources, major nutrients, growth, life cycle, nutrition policies, chronic diseases				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/HumanNutrition/coursePage/index/				
Description	<p>Principles of Human Nutrition (222.641) provides an integrated overview of the physiological requirements and functions of protein, energy, and the major vitamins and minerals that are determinants of health and diseases in human populations. Topics include the following: Dietary sources, intake levels, physiological role, and requirement of major nutrients.</p> <p>The biological determinants of nutrient requirements and the assessment of nutrient status in individuals and populations.</p> <p>The role of nutrition in growth and health through the life cycle.</p> <p>The rationale for the development of dietary guidelines and of nutrition policies in different countries.</p> <p>The role of diet in the development of chronic diseases, such as cardiovascular disease, cancer, diabetes, etc.</p> <p>Cursus die over verschillende voedingsstoffen gaat en op de homeostase van energie in het algemeen. Ook richt het op public health gerelateerde zaken, zoals obesitas.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Psychiatric Epidemiology				
Keywords	psychiatry, epidemiology, mental disorders, childhood, adulthood, DSM classification, psychiatric disorders, anxiety disorders, stress disorders, mood disorders, autism, dementia, psychosis, schizophrenia, bipolar disorders, personality disorders				

URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/PsychiatricEpidemiology/coursePage/index/				
Description	<p>Psychiatric Epidemiology reviews descriptive and analytic epidemiology for major mental disorders of childhood, adulthood, and late adult life. The course will also examine issues of classification and the nosology of psychiatric disorders as well as operational case definitions and the measurement techniques to enhance field surveys and risk factor research.</p> <p>Basiscursus die ingaat op verschillende psychiatrische problemen met name op het gebied van epidemiologie.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Qualitative Data Analysis				
Keywords	qualitative data analysis, public health research, interpretive analytic approaches, coding textual data, data management, case study approaches, ethical issues, qualitative research, data collecting				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/qualitivedataanalysis/coursePage/index/				
Description	<p>This course emphasizes the analysis of ethnographic and other forms of qualitative data in public health research. We introduce various interpretive analytic approaches, explore their use, and guide students in applying them to data. We also introduce the use of computer software for coding textual data (Atlas.ti). Students analyze data they have collected as part of fieldwork projects initiated in 410.690 and write up the results in a final paper. Classroom sessions include lectures, discussions, intensive group work related to the fieldwork projects, and instruction in the computer lab.</p> <p>Cursus over de basis van kwalitatief dataonderzoek met onderbouwing. Geeft ook uitleg over het programma Atlas.ti lab</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Refugee Health Care				
Keywords	refugee health care, basic health requirements, refugee populations, health needs, surveillance systems, international humanitarian law				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/RefugeeHealthCare/coursePage/syllabus/				
Description	<p>Refugee Health Care addresses the provision of basic health requirements for refugees and the coordination of care among the agencies concerned with them.</p> <p>Cursus over vluchtelingen zorg. Vooral met betrekking tot de huidige vluchtelingenproblematiek wellicht interessant voor studenten om zich hierin te verdiepen.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Reproductive and Perinatal Epidemiology				
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Keywords	reproductive health, perinatal health, conception, infertility, contraception, hormone supplementation safety, reproductive cancers, complications of pregnancy, infections in pregnancy, maternal mortality, birth defects, adverse pregnancy outcomes, pregnancy loss, HIV, sexually transmitted diseases, congenital malformations, stillbirths, perinatal deaths, neural tube defects, complications of labor/delivery				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/reproductiveperinatal/coursePage/index/				
Description	<p>This course focuses on current research, controversial issues, and methodological problems in the epidemiology of reproductive and perinatal health. Lectures and analyses of research papers present reproductive health issues such as conception and infertility, contraception and hormone supplementation safety including effects on reproductive cancers, as well as perinatal issues such as complications of pregnancy, infections in pregnancy, maternal mortality, adverse pregnancy outcomes, and birth defects.</p> <p>Cursus over voortplanting en ziektebeelden. Vooral epidemiologisch gericht.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	STI Prevention: Using Epidemiology to Inform Policy and Program				
Keywords	STI, epidemiology, public health, STD surveillance, gonorrhea, chlamydia, vaginitis, PID, syphilis, genital human papillomavirus, HIV, genital herpes, STD diagnostic tests				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/stiprevention/coursePage/index/				
Description	<p>Considers features of sexually transmitted diseases relevant to their control, reviewing the natural history of the infections and laboratory diagnoses. Emphasizes policy development and public health practice for STI control and prevention, including behavioral interventions and medical screening/treatment intervention of sexually transmitted diseases.</p> <p>Cursus met basisinformatie over verschillende seksueel overdraagbare aandoeningen, preventie hiervan en de epidemiologische achtergrond.</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Web 2.0: Risks for STI/HIV - Opportunities for Prevention				
Keywords	social media, STI, HIV, prevention, risks				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/rietmeijer/coursePage/index/				
Description	<p>This lecture explores the risks and prevention opportunities presented by the emergence of social networking and internet dating sites. Presented by the Department of Population, Family, and Reproductive Health.</p> <p>Lezing over risico's en preventiemogelijkheden van seksueel overdraagbare aandoeningen door het gebruik van Social Media.</p>				

Institute	Johns Hopkins University	Duration		Level	
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Title	Introducing healthcare improvement				
Keywords	healthcare improvement, quality, quality improvement				
URL	http://www.open.edu/openlearn/health-sports-psychology/health/introducing-healthcare-improvement/content-section-0				
Description	<p>In this free course, Introducing healthcare improvement, you will be exploring what is meant by the terms 'quality' and 'quality improvement' in the context of healthcare. You will consider what constitutes the key dimensions of healthcare quality that improvement initiatives typically target. You will be introduced to some key ideas from the academic literature on healthcare improvement and encouraged to reflect on your own personal knowledge and experience of healthcare.</p> <p>Cursus over basisbegrippen van kwaliteitsverbetering in de zorg. Kan gebruikt worden als basis voor innovatieproject of iets dergelijks.</p>				
Institute	The Open University	Duration	3	Level	

Title	Infection and immunity				
Keywords	infectious diseases, pathogens, immune system,				
URL	http://www.open.edu/openlearn/ocw/course/view.php?id=1410				
Description	<p>In this free course you will be introduced to infectious diseases and to the biological agents that invade our bodies and cause them: pathogens. You will also learn about the immune system, the human body's vital defence against pathogens. Along the way you will learn about the scientific method and how it has helped scientists understand pathogens and aid the prevention of infectious disease. But the challenge is ongoing. Pathogens are everywhere and come in all shapes and sizes. As you will see, the fight against infectious disease remains critical for global health today.</p> <p>Cursus over infecties en pathogenen en het immuunsysteem. Met videos, animaties en toetsen en antwoorden.</p>				
Institute	The Open University	Duration	12	Level	Ba

Title	Exploring sport online: Athletes and efficient hearts				
Keywords	sport, athletes, heart, cardiology, blood, lungs				
URL	http://www.open.edu/openlearn/health-sports-psychology/health/sport-and-fitness/exploring-sport-online-athletes-and-efficient-hearts/content-section-0				
Description	<p>We all know that the heart is very important but what exactly does the heart do? Why is the blood so important? What functions do the lungs perform? In this free course, Exploring sport online: Athletes and efficient hearts, we will try to provide at least a basic understanding so we can answer these questions and begin to understand why knowing about the heart is important for all sports people. Before that we will take a look at the human body.</p> <p>Cursus over de basis van het hart en de circulatie, toegespitst op topsport.</p>				

Institute	The Open University	Duration	5	Level	Ba
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Title	Introducing public health				
Keywords	public health, multidisciplinary, health, community, case study				
URL	http://www.open.edu/openlearn/health-sports-psychology/health/public-health/introducing-public-health/content-section-0				
Description	<p>This free course, Introducing public health, introduces some key elements of public health and health promotion, using a video case study of Coventry. It focuses on the major determinants of health and ill health and the scope of public health work.</p> <p>Cursus over basisbegrippen van public health. Met oefenvragen.</p>				
Institute	The Open University	Duration	6	Level	Ba

Title	Understanding depression and anxiety				
Keywords	stress, anxiety, life cycle, antidepressants, depression, mood disorders, genes, environment				
URL	http://www.open.edu/openlearn/health-sports-psychology/health/understanding-depression-and-anxiety/content-section-0				
Description	<p>In this free course, Understanding depression and anxiety, we consider some risk and causal factors for some depression and anxiety disorders – that is, the possible aetiology of such disorders. A multitude of genetic, neurobiological, psychological and social factors are likely to be relevant.</p> <p>Cursus over de basis van stress en depressie.</p>				
Institute	The Open University	Duration	8	Level	Ba

Title	Issues in complementary and alternative medicine				
Keywords	complementary medicine, alternative medicine, therapeutic relationship, ethics				
URL	http://www.open.edu/openlearn/health-sports-psychology/health/health-studies/issues-complementary-and-alternative-medicine/content-section-0				
Description	<p>Why are so many people now turning to complementary and alternative medicine and why do approaches to complementary and alternative medicine (CAM) raise such controversy? This free course, Issues in complementary and alternative medicine, explores the following three key areas: 'Why people use complementary and alternative medicine', 'Critical issues in the therapeutic relationship' and 'Ethics in complementary and alternative medicine'.</p> <p>Korte cursus over complementaire geneeskunde en de achterliggende gedachten. Behandelt ethische vraagstukken en problemen.</p>				
Institute	The Open University	Duration	19	Level	Ba

Title	Hearing				
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Keywords	hearing, sound reception, ear, neural processing, auditory information, cochlear nerve fibres, central auditory nervous system, auditory perception				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/hearing/content-section-0				
Description	<p>Hearing is a familiar and important human sense that is a topic naturally of interest to those who are curious about human biology. This free course will enable you to relate what you read to your own sensory experiences and indeed many of the questions asked have exactly that function. This course will be best understood by those with some biological understanding.</p> <p>Uitgebreide cursus over het oor en het gehoor.</p>				
Institute	The Open University	Duration	15	Level	Ba

Title	Early development				
Keywords	family, early development, contraception, pregnancy, child development, conception, reproduction, poison, chromosomes, hormones, embryo, development, fertilization				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/early-development/content-section-0				
Description	<p>This free course, Early development, looks at the human being in the context of an individual life cycle, examining some of the processes that contribute to the formation of a new person. After a brief discussion of historical ideas about human conception, and about contraception to the present day, we look at the cells involved in the conception and development of a new individual. Gamete production (that is, production of mature cells able to unite with another in sexual reproduction) in both men and women is introduced and the role gametes in fertility and, when things go wrong, infertility is explained. We then discuss the early development of a new individual, along with some thoughts on women's experience of pregnancy.</p> <p>Cursus over bevruchting en de vorming van een embryo. Met zelftoets en antwoorden.</p>				
Institute	The Open University	Duration	20	Level	Ba

Title	Alcohol and human health				
Keywords	alcohol, human health, transmitter, visual communication, health, physiology, toxicology, dementia				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/alcohol-and-human-health/content-section-0				
Description	<p>This course describes some of the effects of drinking alcohol. It looks at alcohol's journey through the body and its effect on the liver. It also discusses some possible beneficial effects. This is an important health issue and should be of wide interest.</p> <p>Korte cursus over de korte en langetermijn effecten van alcohol op het lichaam.</p>				

Institute	The Open University	Duration	6	Level	Ba
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Title	Introduction to histopathology				
Keywords	histology, histopathology, inflammation, infection, neoplasia, cell death				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/introduction-histopathology/content-section-0				
Description	<p>This free course provides an introduction to histopathology and outlines how the appearance of different tissues changes due to damage, inflammation, infection or degeneration and how microscopy can aid in the diagnosis of disease.</p> <p>Cursus over histologie en de histopathologie van ontsteking, neoplasie en celdood.</p>				
Institute	The Open University	Duration	3	Level	Ba

Title	Influenza: A case study				
Keywords	influenza, viruses, patterns of disease, immunology, infection, antiviral treatments, diagnosis				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/influenza-case-study/content-section-0				
Description	<p>This free course, Influenza: A case study, explores the biology of influenza, covering a range of topics including: the virus, infection, replication, mutation, immune responses, pathology, surveillance, diagnosis and treatment.</p> <p>Cursus over het influenza-virus. Met zelftoets en antwoorden.</p>				
Institute	The Open University	Duration	6	Level	Ba

Title	Understanding cardiovascular diseases				
Keywords	cardiovascular diseases, risk factors, prevention, cure, early warning signs, immediate treatment, long-term treatment, living with cardiovascular diseases				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/understanding-cardiovascular-diseases/content-section-0				
Description	<p>Your heart beats around 100,000 times every day and, in that time, pumps about 23,000 litres of blood around your body. But what happens when it doesn't work as well as it should? This free course, Understanding cardiovascular diseases, explains what happens in cardiovascular disease, when the heart's performance is affected, how the normal function of blood vessels is impaired, and what treatments are available. Whether you are a patient, relative, friend or healthcare professional, you will find the course interesting.</p>				
Institute	The Open University	Duration	15	Level	Ba

Title	Intracellular transport				
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Keywords	intracellular transport, cytoskeleton, cellular compartments, traffic, trafficking vesicles, compartmentalisation, motor proteins, endocytic pathways, exocytosis				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/intracellular-transport/content-section-0				
Description	This free course, Intracellular transport, explains the function of the cytoskeleton and its role in controlling transport of vesicles between different subcellular compartments. Uitgebreide cursus over de verschillende manieren van intracellulair transport.				
Institute	The Open University	Duration	12	Level	Ba

Title	Imaging in medicine				
Keywords	imaging, medical imaging, imaging techniques, x-ray imaging, computed tomography, magnetic resonance imaging, ultrasound, radionuclide imaging				
URL	http://www.open.edu/openlearn/science-maths-technology/science/health-sciences/imaging-medicine/content-section-0				
Description	X-rays, CT scans and MRI scans are alle medical imaging techniques of great practical importance that have been encountered by a great many people in their medical histories. This free course, Imaging in medicine, illustrates how these techniques work and their limitations and advantages. Cursus die uitleg geeft over de verschillende vormen van medische beeldvorming.				
Institute	The Open University	Duration	15	Level	Ba

Title	Epidemiology: An introduction				
Keywords	epidemiology, public health, analytic epidemiology, mortality, morbidity, statistics, descriptive epidemiology, population, cross-sectional studies, case-control studies, cohort studies, intervention studies, experimental design				
URL	http://www.open.edu/openlearn/science-maths-technology/science/health-sciences/epidemiology-introduction/content-section-0				
Description	Public health interventions need to be built on an evidence base and part of this evidence comes from epidemiology: the study of how and why diseases occur. Epidemiology is a bit like a game of detection. It involves identifying diseases, finding out which groups of people are at risk, tracking down causes and so on. This free course, Epidemiology: An introduction, looks at some key types of data used in epidemiology, such as statistics on death and ill health, and introduces some techniques used in analysing data. Cursus over de basisbegrippen van epidemiologie, geeft ook uitleg over verschillende manieren van onderzoek doen in een populatie.				
Institute	The Open University	Duration	7	Level	Ba

Title	9.913-A Intensive Neuroanatomy Brain and Cognitive Sciences				
Keywords	auditory, neocortex, diencephalon, motor neurons, vestibular systems, brainstem, peripheral nervous systems, CNS, PNS, lateral pathways, sensory				

	systems, skeletal and branchial arch, Motor systems, cranial nerves, limbic system, motor units, somatosensory, structure, Papez circuit, Neurobiology, spinal cord, Neuroscience, olfaction, autonomic control, ascending/descending pathways, medial, amine-containing cells, visual, nerve cell bodies, cerebellar, cranial nerve nuclei, Telencephalon, Anatomy and Physiology, ascending and descending tracts				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-913-a-intensive-neuroanatomy-january-iap-2002/index.htm				
Description	<p>The course will start with an overview of the central and peripheral nervous systems (CNS and PNS), the development of their structure and major divisions. The major functional components of the CNS will then be reviewed individually. Topography, functional distribution of nerve cell bodies, ascending and descending tracts in the spinal cord. Brainstem organization and functional components, including cranial nerve nuclei, ascending / descending pathways, amine-containing cells, structure and information flow in the cerebellar and vestibular systems. Distribution of the cranial nerves, resolution of their skeletal and branchial arch components. Functional divisions of the Diencephalon and Telencephalon. The course will then continue with how these various CNS pieces and parts work together. Motor systems, motor neurons and motor units, medial and lateral pathways, cortical versus cerebellar systems and their functional integration. The sensory systems, visual, auditory and somatosensory. Olfaction will be covered in the context of the limbic system, which will also include autonomic control and the Papez circuit. To conclude, functional organization and information flow in the neocortex will be discussed.</p> <p>Open course over neuroanatomie</p>				
Institute	MIT (Massachusetts Institute of Technology)	Duration	30 uur	Level	Ba

Title	Drugs and the Brain
Keywords	Pharmacology and Toxicology, drug mechanisms, Biochemistry, schizophrenia, neurotransmitters, drugs, Neurobiology, brain disease, oec, addiction, ocwc, brain, pharmacology
URL	http://ocw.mit.edu/courses/experimental-study-group/es-s10-drugs-and-the-brain-spring-2013/index.htm
Description	<p>This class is a multidisciplinary introduction to pharmacology, neurotransmitters, drug mechanisms, and brain diseases from addiction to schizophrenia. From Abilify® to Zyrtec®, the world is full of fascinating drugs. If you are poisoned by sarin nerve gas, you may be able to save your life by huffing some BZ nerve gas. This class will explain that chemical curiosity, along with a host of other interesting tidbits of pharmacology. The structure of the class interleaves basic concepts with specific examples and entertaining tangents, so it is not loaded with boring abstract theory. In the first class you will learn what a neurotransmitter is, and you will immediately apply that knowledge when we discuss the mechanism of caffeine. The class is highly multidisciplinary, including topics such as patent law, medical ethics, history, and the physics of crack pipes.</p> <p>Multidisciplinaire introductie in farmacologie en de werking van medicijnen</p>

Institute	MIT (Massachusetts Institute of Technology)	Duration	2 u/week	Level	Ba
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Title	Fundamentals of Clinical Trials				
Keywords	strategic clinical plan, Good Clinical Practices, regulatory affairs, uci, FDA, life sciences, compliance, clinical trials, HIPAA, opencourseware				
URL	http://cat.ocw.uci.edu/oo/getPage.php?course=OC0106031&lesson=1&topic=1&page=1				
Description	<p>Clinical trials are designed to answer questions concerning the safety and effectiveness of medical products. Get an overview of clinical trials regulated by the FDA. Learn about the planning process underlying the Strategic Clinical Plan and regulatory submissions to the FDA. Explore topics including protocol development and implementation, i.e. study site selection, financial controls, timelines, and management of the site's operations; proper informed consent; Good Clinical Practices compliance; HIPAA; FDA regulations and guidelines; and post-market support studies. UC Irvine's OCW is a Web-based publication of the courses and course materials that support higher education. Educators are encouraged to use the materials for curriculum development, while students can augment their current learning by making use of the materials offered, and self-learners are encouraged to draw upon the material for self-study or supplementary use. Course materials offered on the UC Irvine Web site typically may be used, copied, distributed, translated and modified, but only for non-commercial educational purposes that are made freely available to other users. Each course shows its own license provisions, so please check carefully. In the openly licensed format, UCI contributes to global education at no marginal cost to itself beyond the already completed filming. Our own students also benefit by being able to review presentations and because it is available on YouTube, we don't have to worry about maintaining it on course pages behind password protection. By making it open, another institution or professor can use some or all of the video presentations without even having to contact us for permission. So we are fulfilling the mission of a land-grant, public university effectively and efficiently.</p> <p>Doorklikbare cursus over het uitvoeren van klinisch onderzoek, overzichtelijk opgedeeld in verschillende lessen</p>				
Institute	University of California, Irvine Extension	Duration	-	Level	Ba Ma

Title	Immunology basics
Keywords	Introduction to immunology, T cell-mediated immunity, Helper T cells and cytokines, Immunology, UKOER, Defence against extracellular pathogens, Recognition of extracellular pathogens, Immunity to viruses, Immunology basics
URL	http://unow.nottingham.ac.uk/resources/resource.aspx?hid=ca941af6-c782-7c46-1bee-1d141fad2b1d#
Description	This is a module framework. It can be viewed online or downloaded as a zip file. As taught Autumn semester 2009 Infections are a major cause of morbidity and mortality worldwide. The body fights infection through the functions of the

	<p>immune system, whose power has been harnessed by the development of vaccination (immunisation). Suitable for study at: Undergraduate levels 1 and 2. Dr Ian Todd, School of Molecular Medical Sciences Dr Ian Todd is Associate Professor & Reader in Cellular Immunopathology at The University of Nottingham. After reading Biochemistry at The University of Oxford, he carried out research for his PhD in Immunology at University College London. He then undertook post-doctoral research at The Oregon Health Sciences University and The Middlesex Hospital Medical School. His main research interest is in the molecular and cellular bases of autoimmune and autoinflammatory diseases. He is a Fellow of the Higher Education Academy and a recipient of the Lord Dearing Award for Teaching & Learning. Important Copyright Information: All images, tables and figures in this resource were reproduced from 'Lecture Notes Immunology' April 2010, 6th Edition, published by Wiley-Blackwell and with full permission of the co-author and faculty member, Dr Ian Todd. No image, table or figure in this resource can be reproduced without prior permission from publishers Wiley-Blackwell.</p> <p>Introductie in immunologie, basaal niveau</p>				
Institute	University of Nottingham	Duration	-	Level	Ba

Title	Principles of medical imaging				
Keywords	Imaging, CT, MRI, x-ray, ultrasound				
URL	http://ocw.mit.edu/courses/nuclear-engineering/22-058-principles-of-medical-imaging-fall-2002/				
Description	<p>An introduction to the principles of tomographic imaging and its applications. It includes a series of lectures with a parallel set of recitations that provide demonstrations of basic principles. Both ionizing and non-ionizing radiation are covered, including x-ray, PET, MRI, and ultrasound. Emphasis on the physics and engineering of image formation.</p> <p>Introductie in de principes van beeldvormende technieken, nadruk ligt op de natuurkundige principes en techniek.</p>				
Institute	MIT (Massachusetts Institute of Technology)	Duration	3 u/week	Level	Ba

Title	Noninvasive imaging in biology and medicine				
Keywords	9.713, HST.561J, 20.483J, 22.56J, optical imaging, Biomedical Signal and Image Processing, molecular imaging, PET/SPECT, 2.761, X-ray CT, neuroimaging, HST.561, 2.761J, 20.483, scanning methods, MRI, Nuclear Physics, Medical Imaging, 22.56, theory and application of noninvasive imaging methods, medicine, imaging systems, 9.713J, biology, Biomedical Instrumentation				
URL	http://ocw.mit.edu/courses/nuclear-engineering/22-56j-noninvasive-imaging-in-biology-and-medicine-fall-2005/index.htm				
Description	22.56J aims to give graduate students and advanced undergraduates background in the theory and application of noninvasive imaging methods to biology and medicine, with emphasis on neuroimaging. The course focuses on the modalities				

	<p>most frequently used in scientific research (X-ray CT, PET/SPECT, MRI, and optical imaging), and includes discussion of molecular imaging approaches used in conjunction with these scanning methods. Lectures by the professor will be supplemented by in-class discussions of problems in research, and hands-on demonstrations of imaging systems.</p> <p>Meer gevorderde cursus in de theorie en toepassing van non-invasieve beeldvorming</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u /week	Level	Ba

Title	Cancer biology: from basic research tot the clinic				
Keywords	Cancer, research, biology				
URL	http://ocw.mit.edu/courses/biology/7-342-cancer-biology-from-basic-research-to-the-clinic-fall-2004/				
Description	<p>This course is one of many, Advanced Undergraduate Seminars, offered by the Biology Department at MIT. These seminars are tailored for students with an interest in using primary research literature to discuss and learn about current biological research in a highly interactive setting. In 1971, President Nixon declared the "War on Cancer," but after three decades the war is still raging. How much progress have we made toward winning the war and what are we doing to improve the fight? Understanding the molecular and cellular events involved in tumor formation, progression, and metastasis is crucial to the development of innovative therapy for cancer patients. Insights into these processes have been gleaned through basic research using biochemical, molecular, and genetic analysis in yeast, C. elegans, mice, and cell culture models. We will explore the laboratory tools and techniques used to perform cancer research, major discoveries in cancer biology, and the medical implications of these breakthroughs. A focus of the class will be critical analysis of the primary literature to foster understanding of the strengths and limitations of various approaches to cancer research. Special attention will be made to the clinical implications of cancer research performed in model organisms and the prospects for ending the battle with this devastating disease.</p> <p>Cursus over kankeronderzoek, de biologie achter kanker en de implicaties voor de kliniek, nadruk ligt vooral op de biologie</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	Buruli Ulcer (Mycobacterium Ulcerans Infection)				
Keywords	africaoer, internal medicine, healthoer, mycobacterium ulcerans, buruli ulcer disease				
URL	http://www.oerafrica.org/resource/buruli-ulcer-mycobacterium-ulcerans-infection				
Description	The Buruli ulcer disease is due to infection by Mycobacterium ulcerans. This programme describes the basic pathophysiology of the disease, the typical clinical presentations, and the management of cases with complicated features. The				

	<p>program should be informative for both medical students and practitioners who wish to increase their knowledge about this serious tropical disease.</p> <p>Korte E-learning over Buruli ulcer ziekte met tekst, filmpjes en animatie, mogelijk interessant voor vrije keuze</p>				
Institute	OER Africa	Duration	-	Level	Ba

Title	Gastroenterology				
Keywords	Gastroenterology				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-121-gastroenterology-fall-2005/				
Description	<p>The most recent knowledge of the anatomy, physiology, biochemistry, biophysics, and bioengineering of the gastrointestinal tract and the associated pancreatic, liver and biliary tract systems is presented and discussed. Gross and microscopic pathology and the clinical aspects of important gastroenterological diseases are then presented, with emphasis on integrating the molecular, cellular and pathophysiological aspects of the disease processes to their related symptoms and signs.</p> <p>Over de anatomie, fysiologie, biochemie, biofysica en bioengineering van de tractus gastro-intestinalis, met name het technische/biologische aspect</p>				
Institute	Massachusetts Institute of Technology	Duration	9 u/week	Level	Ba

Title	HST.151 Principles of Pharmacology Health Sciences and Technology				
Keywords	biophysics, health care, biochemistry, metabolism, physiology related to drug action, interaction, distribution, pharmacology, Pharmacology and Toxicology, pharmacologic agents, medical, toxicity, pre-clinical				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-151-principles-of-pharmacology-spring-2005/				
Description	<p>The object of the course is to teach students an approach to the study of pharmacologic agents. It is not intended to be a review of the pharmacopoeia. The focus is on the basic principles of biophysics, biochemistry and physiology, as related to the mechanisms of drug action, biodistribution and metabolism. The course consists of lectures and student-led case discussions. Topics covered include: mechanisms of drug action, dose-response relations, pharmacokinetics, drug delivery systems, drug metabolism, toxicity of pharmacological agents, drug interaction and substance abuse. Selected agents and classes of agents are examined in detail. The course was taught in 2005; however, the concepts should be current.</p> <p>Cursus over de basisprincipes van farmacologie door middel van biofysica, biochemie en fysiologie</p>				
Institute	Massachusetts Institute of Technology	Duration	9 u/week	Level	Ba

Title	Genomic Medicine				
Keywords	Genetics, Medicine, technology				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-512-genomic-medicine-spring-2004/				
Description	<p>This course reviews the key genomic technologies and computational approaches that are driving advances in prognostics, diagnostics, and treatment. Throughout the semester, emphasis will return to issues surrounding the context of genomics in medicine including: what does a physician need to know? what sorts of questions will s/he likely encounter from patients? how should s/he respond? Lecturers will guide the student through real world patient-doctor interactions. Outcome considerations and socioeconomic implications of personalized medicine are also discussed. The first part of the course introduces key basic concepts of molecular biology, computational biology, and genomics. Continuing in the informatics applications portion of the course, lecturers begin each lecture block with a scenario, in order to set the stage and engage the student by showing: why is this important to know? how will the information presented be brought to bear on medical practice? The final section presents the ethical, legal, and social issues surrounding genomic medicine. A vision of how genomic medicine relates to preventative care and public health is presented in a discussion forum with the students where the following questions are explored: what is your level of preparedness now? what challenges must be met by the healthcare industry to get to where it needs to be?</p> <p>Over genetisch onderzoek en de toepassing daarvan in de praktijk, nadruk ligt wel op de techniek.</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Patient safety and medical errors				
Keywords	OCWC, Injury Prevention, OEC, Health Policy				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/patientsafety/coursePage/index/				
Description	<p>Provides an introduction to the science of safety, and how it relates to problems with patient safety in health care. Explains the role of both individuals and systems in improving patient safety. Reviews institutional responses to adverse events, including the topics of risk management and medical malpractice. Emphasizes the importance of communication and teamwork. Students learn the basics of conducting an incident investigation, gain an understanding of the advantages and limitations of error reporting, learn how to disclose errors and adverse events, and learn models for improving safety in hospitals and other health care organizations from both the micro and macro points of view.</p> <p>Over het verbeteren van de kwaliteit van patiëntveiligheid en het omgaan met medische missers</p>				
Institute	Johns Hopkins University	Duration		Level	Ba

Title	Introduction to Methods for Health Service Research and Evaluation				
Keywords	Cost benefit, Cost-effectiveness analysis, slp, Reliability and validity of measurement tools, Research design, IIF, Health policy, Research, Program evaluation, kasa, research				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/HSRE/coursePage/index/				
Description	<p>Introduction to Methods for Health Services Research and Evaluation provides an introduction to basic methods for undertaking research and program evaluation within health services organizations and systems. In addition to basic methods, the course also provides "the state of the art" in research and evaluation through the review of major completed studies. This course is recommended for students who will be carrying out policy research, social science research, or program impact evaluation within health delivery systems. It is also relevant to those who will apply the results of Health Services Research (HSR) done by others.</p> <p>Over het onderzoek in en de evaluatie van zorgverlening</p>				
Institute	Johns Hopkins University	Duration		Level	Ba Ma

Title	Managing Long-Term care services for aging populations				
Keywords	Aging populations, elderly, management, healthcare				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/ManagingLongTermCareAgingPopulations/coursePage/index/				
Description	<p>This course will consider long-term service delivery programs designed to meet the special needs of seniors. It will review care and service systems from the unique perspective of an aging population, including the physiological and psychological changes common among seniors. Students will become conversant with a conceptual framework for planning, organizing, and delivering services to the elderly, including the ability to define the major physical, mental and psychosocial changes and health problems that accompany aging and their applicability to program development. They will be able to describe the impact of demographics and the changing nature of family relationships on senior services delivery programs as well as to evaluate various models of service delivery, including their relevance to current economic, political and social conditions. The course will also include an historical, philosophical and managerial overview of seniors housing and care, from congregate living to skilled nursing. The course will analyze the underpinnings of the profession, including the demographics of aging, the role of financing and the evolving marketplace. The course will include a focus on the role of health care delivery within seniors housing, with attention devoted to the determinants of quality care, various models of care, and the critical role of quality management.</p> <p>Over het managen van lange termijn zorg voor ouderen en een ouder wordende populatie</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Foundations in evidence based practice				
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Keywords	Reviewing literature, UKOER, Virtual portfolio, Resource discovery, Law and ethics, Reflective thinking and writing, Evidence-based practice, Citing and referencing, Literature searching, Portfolio development skills				
URL	http://unow.nottingham.ac.uk/resources/resource.aspx?hid=ff0e2e0c-e0a0-f94e-0269-f4473d52e0d1#				
Description	<p>This is a module framework. It can be viewed online for downloaded as a zip file. As taught in Spring Semester 2010. This module is taught on the Diploma/BSc in Nursing and covers an introduction to evidence-based practice; the nature of evidence; an introduction to the research process; reflective thinking and writing; portfolio development skills; searching/accessing information/literature; summarising literature; referencing literature sources; reviewing literature; an introduction to law and ethics and their links with evidence-based practice; an introduction to accountability and evidence-based practice Suitable for: Undergraduate year one students School of Nursing, Midwifery & Physiotherapy The School operates from education centres across Derbyshire, Lincolnshire and Nottinghamshire providing pre-registration, post-registration, degree and higher degree courses. Learning in practice occurs in acute and community settings within local NHS Health Care Trusts and across the voluntary and social service sectors. Research within the school focuses on supportive and palliative care; education and health informatics; mental health; and child and maternal health. The University received the best possible outcome in all categories within the Major Review of healthcare programmes which took place in 2006.</p> <p>Introductie/basis cursus in evidence based medicine</p>				
Institute	University of Nottingham	Duration	200	Level	Ba

Title	Introduction to neuroscience				
Keywords	Neuroscience, brain, neuroanatomy				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-131-introduction-to-neuroscience-fall-2005/				
Description	The course will span modern neuroscience from molecular neurobiology to perception and cognition, including the following major topics: anatomy and development of the brain; cell biology of neurons and glia; ion channels and electrical signaling; synaptic transmission, integration, and chemical systems of the brain; sensory systems, from transduction to perception; motor systems; and higher brain functions dealing with memory, language, and affective disorders.				
Institute	Massachusetts Institute of Technology	Duration	9 u/week	Level	Ba

Title	Computing for Biomedical Scientists				
Keywords	Computing, biomedical sciences				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-952-computing-for-biomedical-scientists-fall-2002/				
Description	This course introduces abstraction as an important mechanism for problem decomposition and solution formulation in the biomedical domain, and examines computer representation, storage, retrieval, and manipulation of biomedical				

	<p>data. As part of the course, we will briefly examine the effect of programming paradigm choice on problem-solving approaches, and introduce data structures and algorithms. We will also examine knowledge representation schemes for capturing biomedical domain complexity and principles of data modeling for efficient storage and retrieval. The final project involves building a medical information system that encompasses the different concepts taught in the course.</p> <p>Over de basis van gegevensverwerking voor biomedisch onderzoek</p>				
Institute	Massachusetts Institute of Technology	Duration	-	Level	Ba

Title	Improving the health of the population and evidence based medicine				
Keywords	Screening, Obesity, Determinants of health, Public Health, multidisciplinary approach to population health, Positive predictive value of screening tests, diet and physical activity, UKOER, Inequalities in health, Evidence Based Medicine, Health of the population				
URL	http://unow.nottingham.ac.uk/resources/resource.aspx?hid=f14ed503-63ade229-11f7-12369406f5a8				
Description	<p>This is a module framework. It can be viewed online or downloaded as a zip file. As taught in Autumn Semester 2009 This module has two essential components: Evidence-Based Medicine and Public Health. Evidence-Based Medicine was introduced as a new discipline because traditionally the teaching of medicine was heavily reliant on an apprenticeship-type system with emphasis on learning from observing one's teachers. One of the guiding principles in the NHS today is that all health care should be based on research evidence. One of the aims of this module is to cover core concepts in epidemiology and basic statistics so that you are able to understand the evidence presented in research papers and apply it to your clinical practice. The Public Health component of this module will provide you with insight into the factors affecting the health at a population level and how these may be addressed. It also aims to show how these factors may be distributed and how this can contribute to inequalities in health between populations. Suitable for study: Undergraduate level year 1 Dr Puja R Myles, School of Community Health Sciences - Epidemiology and Public Health Dr Puja Myles is an Associate Professor of Health Protection and Epidemiology at the University of Nottingham. She trained as a dentist at Panjab University, India and worked as a dentist in India before completing her specialist training in Public Health in the East Midlands. She completed a doctorate in Epidemiology at the University of Nottingham. She is currently part of the Health Protection Research Group at Nottingham and her research is primarily in respiratory disease epidemiology. She is also interested in evaluation methods and is currently involved in some public health service evaluations.</p> <p>Over het verbeteren van public health en het toepassen van evidence-based medicine</p>				
Institute	University of Nottingham	Duration		Level	Ba

Title	Malariology				
Keywords	Malaria, epidemiology				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/Malariology/coursePage/index/				
Description	<p>Presents issues related to malaria as a major public health problem. Emphasizes the biology of malaria parasites and factors affecting their transmission to humans by anopheline vectors. Topics include host-parasite-vector relationships; diagnostics; parasite biology; vector biology; epidemiology; host immunity; risk factors associated with infection, human behavior, chemotherapy, and drug resistances; anti-vector measures; vaccine development; and management and policy issues.</p> <p>Over malaria, de biologie, diagnose en epidemiologie, mogelijk interessant in vrije keuze</p>				
Institute	Johns Hopkins University	Duration		Level	Ba

Title	Autism theory and technology				
Keywords	ASD, Psychology, autism technology, assistive technology, Mental Health, mainstreaming, autism, oec, autism spectrum disorder, disability, Human-Computer Interfaces, ocwc, Educational Technology, special needs				
URL	http://ocw.mit.edu/courses/media-arts-and-sciences/mas-771-autism-theory-and-technology-spring-2011/index.htm				
Description	<p>This course illuminates current theories about autism together with challenges faced by people on the autism spectrum. Theories in communicating, interacting socially, managing cognitive and affective overload, and achieving independent lifestyles are covered. In parallel, the course presents state-of-the-art technologies being developed for helping improve both theoretical understanding and practical outcomes. Participants are expected to meet and interact with people on the autism spectrum. Weekly reading, discussion, and a term project are required.</p> <p>Over autisme en de problemen in het dagelijks leven en hoe deze aangepakt kunnen worden, technologische aspecten.</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	Methods in Biostatistics I				
Keywords	Biostatistics, biomedical science, statistics				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/MethodsInBiostatisticsI/coursePage/index/				
Description	<p>Presents fundamental concepts in applied probability, exploratory data analysis, and statistical inference, focusing on probability and analysis of one and two samples. Topics include discrete and continuous probability models; expectation and variance; central limit theorem; inference, including hypothesis testing and confidence for means, proportions, and counts; maximum likelihood estimation; sample size determinations; elementary non-parametric methods; graphical displays; and data transformations.</p>				

	Introductie cursus in biostatistiek (deel 1)				
Institute	Johns Hopkins University	Duration		Level	Ba

Title	Methods in Biostatistics II				
Keywords	Biostatistics, biomedical science, statistics				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/MethodsInBiostatisticsII/coursePage/index/				
Description	<p>Presents fundamental concepts in applied probability, exploratory data analysis, and statistical inference, focusing on probability and analysis of one and two samples. Topics include discrete and continuous probability models; expectation and variance; central limit theorem; inference, including hypothesis testing and confidence for means, proportions, and counts; maximum likelihood estimation; sample size determinations; elementary non-parametric methods; graphical displays; and data transformations.</p> <p>Verdiepende cursus in biostatistiek (deel 2)</p>				
Institute	Johns Hopkins University	Duration		Level	Ba

Title	Obesity: balanced diets and treatment				
Keywords	Obesity, diet, treatment of obesity				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/obesity-balanced-diets-and-treatment/content-section-0				
Description	<p>The incidence of obesity is on the increase in affluent societies, and the phenomenon commands increasing attention from health professionals, legislators and the media. This free course, Obesity: Balanced diets and treatment, looks at the science behind obesity, examining the dietary, physiological and genetic aspects of the topic.</p> <p>Over obesitas, een gepast dieet en de behandeling.</p>				
Institute	The Open University	Duration		Level	Ba

Title	Designer immunity: lessons in engineering the immune system				
Keywords	Virology, vaccine design, vaccines, Biochemistry, immune system, Immunology, lipid nanoparticle vaccines, regulatory network analyses, systems immunology, immunotherapies, Cell Biology, vaccine carriers, pathogen-mimicking, multivariate profiling, Biomaterials, immunomodulation, Materials Science and Engineering, immunoengineering, Chemical Engineering, tolerogenic particle vaccines, Biotechnology, autoimmunity				
URL	http://ocw.mit.edu/courses/biology/7-341-designer-immunity-lessons-in-engineering-the-immune-system-spring-2014/				
Description	The immune system is one of the most complex and powerful of human body systems. It is highly dynamic and flexible, yet strictly regulates homeostasis and protects our bodies from both foreign and self-derived challenges. As basic				

	<p>understanding of immune function is growing, researchers are rapidly designing clever and diverse strategies to manipulate immunology to improve human health. In this course, we will explore important advances rooted in engineering principles to harness the power of the immune system, focusing on how engineering has fueled or inspired research concerning (1) vaccines, (2) immunotherapies, and (3) systems immunology.</p> <p>Over (technologische) interventies in het immuunsysteem, beter voor vrije keuze door technische focus</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	Chronic Infection and Inflammation: What are the Consequences on Your Health?				
Keywords	Chronic infection, inflammation, Hep C, Epstein-Barr, HPV				
URL	http://ocw.mit.edu/courses/biology/7-342-chronic-infection-and-inflammation-what-are-the-consequences-on-your-health-fall-2007/				
Description	<p>In this course we will explore the new emerging field of pathogen-induced chronic diseases. Work in this field has redefined the causes of some major disorders, such as ulcers. By reading the primary research literature we will learn about the molecular mechanisms through which pathogens cause disease. The diseases that we cover will be introduced with a short patient case study. We will discuss the bacterium <i>Helicobacter pylori</i> and gastric disease, HPV and cervical cancer, hepatitis C virus and liver disease, Epstein-Barr virus and lymphoma, Cytomegalovirus and atherosclerosis, as well as diabetes and multiple sclerosis. We will study technical advances in the fight against microbes and explore future directions for new treatment strategies of chronic infections and inflammation.</p> <p>Over chronische infecties en het effect daarvan (Hep C, HPV, Epstein-Barr etc.) en de technologische voortgang in de behandeling</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	A Love-Hate Relationship: Cholesterol in Health and Disease				
Keywords	Cholesterol				
URL	http://ocw.mit.edu/courses/biology/7-343-a-love-hate-relationship-cholesterol-in-health-and-disease-fall-2005/				
Description	<p>In this class, we will examine cholesterol's role in the cell and in the body as a whole, from its function as a structural component of the membrane to its function in signaling. We will discuss mechanisms of cholesterol sensing, mechanisms of feedback regulation in cells, cholesterol in the brain, cholesterol in the circulation, 'good cholesterol' and 'bad cholesterol,' cholesterol-related human disorders, and the drugs that deal with some of these disorders.</p> <p>Diepgaande cursus over de rol van cholesterol in het lichaam en in ziekte</p>				

Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba
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Title	Treating Infertility-- From Bench to Bedside and Bedside to Bench				
Keywords	reproductive biology, infertility, Health and Medicine, fertility, Cell Biology, Genetics, Developmental Biology, antral follicle counts, Molecular Biology, gonadal stem cells, microdeletions, reproductive phenotypes, aneuploidy, oocyte cryopreservation, assisted reproductive technology, embryo cryopreservation				
URL	http://ocw.mit.edu/courses/biology/7-344-treating-infertility-from-bench-to-bedside-and-bedside-to-bench-spring-2015/				
Description	<p>In the western world, approximately 10–15% of couples suffer from subfertility. Consequently, over 5 million babies have been born thanks to assisted reproductive technologies, and more than half of those have been born in the past six years alone. This class will cover the basic biology behind fertility and explore the etiology of infertility. We will highlight open questions in reproductive biology, familiarize students with both tried-and-true and emerging reproductive technologies, and explore the advantages and pitfalls of each.</p> <p>Over de behandeling van subfertiliteit en infertilititeit en de technieken daarachter</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	7.345 Non-coding RNAs: Junk or Critical Regulators in Health and Disease?				
Keywords	Cell Biology, piRNAs, Genetics, tumor suppressors and oncogenes, Molecular Biology, microRNAs, miRNA, oec, lincRNAs, RNAi therapeutics, Non-coding RNAs, ocwc, RNA interference				
URL	http://ocw.mit.edu/courses/biology/7-345-non-coding-rnas-junk-or-critical-regulators-in-health-and-disease-spring-2012/index.htm				
Description	<p>Every time we scientists think that we have dissected the precise biological nature of a process, an incidental finding, a brilliantly designed experiment, or an unexpected result can turn our world upside down. Until recently thought by many to be cellular "junk" because they do not encode proteins, non-coding RNAs are gaining a growing recognition for their roles in the regulation of a wide scope of processes, ranging from embryogenesis and development to cancer and degenerative disorders. The aim of this class is to introduce the diversity of the RNA world, inhabited by microRNAs, lincRNAs, piRNAs, and many others. This course is one of many Advanced Undergraduate Seminars offered by the Biology Department at MIT. These seminars are tailored for students with an interest in using primary research literature to discuss and learn about current biological research in a highly interactive setting. Many instructors of the Advanced Undergraduate Seminars are postdoctoral scientists with a strong interest in teaching.</p> <p>Over de rol van RNA bij processen en ziekten, erg technisch en diepgaand.</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	7.346 DNA Wars: How the Cell Strikes Back to Avoid Disease after Attacks on DNA				
Keywords	Alkylating agents, mitochondrial DNA damage, mismatch repair, Werner helicase activity, mutations, nuclear DNA damage, replication errors, direct reversal, base excision repair, DNA repair, Cell Biology, Genetics, DNA damage, Molecular Biology, epigenetics, oec, nucleotide excision repair, double strand break repair, ocwc				
URL	http://ocw.mit.edu/courses/biology/7-346-dna-wars-how-the-cell-strikes-back-to-avoid-disease-after-attacks-on-dna-fall-2013/index.htm				
Description	<p>This course will survey the primary research literature concerning fundamental DNA damage repair pathways, including mismatch repair, direct reversal, nucleotide excision repair, base excision repair, and double strand break repair. We will explore the major sources of both nuclear and mitochondrial DNA damage and how mutations that cause imbalances in repair proteins can lead to diseases, including breast, colon and brain cancers; neurological disorders like ataxia telangiectasia and Alpers' disease; and premature aging disorders like Werner's syndrome and xeroderma pigmentosum. We will discuss how an understanding of DNA repair pathways can be utilized in the prevention and management of these diseases. We will consider how different model systems (including yeast, mice, and human cells) are studied in the laboratory to answer fundamental questions concerning DNA damage and genomic instability. We will learn how to critically evaluate the primary scientific literature, with an emphasis on experimental design and the presentation and interpretation of results. Students will have the opportunity to visit a research facility and to attend research seminars, including the DNA Repair and Mutagenesis seminar series, and in this way meet local scientists in the DNA repair field.</p> <p>Over DNA schade en reparatie, erg diepgaand.</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	7.346 Virus-host Interactions in Infectious Diseases				
Keywords	Virology, protein-protein interactions, antiviral proteins, virus, influenza, dengue virus, biotechnology, signaling pathways, infection, IFN production, oec, vaccine development, hCMV, host mimicry, host, Secreted IFN, host sensors, host-cell machinery, IFITM proteins, Cell Biology, Molecular Biology, filoviruses, ocwc, intra-cellular trafficking, HIV				
URL	http://ocw.mit.edu/courses/biology/7-346-virus-host-interactions-in-infectious-diseases-spring-2013/index.htm				
Description	<p>This class will discuss the varied solutions each side has developed as a means for survival. Focus will be on protein-protein interactions, host mimicry, intra-cellular trafficking, hijacking of host-cell machinery and up-regulation of multiple signaling pathways and subsequent induction of antiviral proteins. We will use examples drawn from human disease-causing pathogens that contribute seriously to the global health burden, including HIV, influenza and dengue virus. Primary research papers will be discussed to help students learn to pose scientific questions and design and conduct experiments to answer the questions and critically interpret data. We will visit a local biotechnology company to learn how</p>				

	the knowledge and techniques discussed in class are being applied towards vaccine development.				
	Over de interacties tussen virussen en dragers, erg diepgaand dus eventueel beter in vrije keuze				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	9.22J / HST.422J A Clinical Approach to the Human Brain				
Keywords	Brain, neurotransmitters, cognitive sciences, neuroanatomy				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-22j-a-clinical-approach-to-the-human-brain-fall-2006/				
Description	<p>This course is designed to provide an understanding of how the human brain works in health and disease, and is intended for both the Brain and Cognitive Sciences major and the non-Brain and Cognitive Sciences major. Knowledge of how the human brain works is important for all citizens, and the lessons to be learned have enormous implications for public policy makers and educators. The course will cover the regional anatomy of the brain and provide an introduction to the cellular function of neurons, synapses and neurotransmitters. Commonly used drugs that alter brain function can be understood through a knowledge of neurotransmitters. Along similar lines, common diseases that illustrate normal brain function will be discussed. Experimental animal studies that reveal how the brain works will be reviewed. Throughout the seminar we will discuss clinical cases from Dr. Byrne's experience that illustrate brain function; in addition, articles from the scientific literature will be discussed in each class.</p> <p>Over de hersenen: de anatomie en de werking. Basaal niveau.</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	9.914 Special Topics: Genetics, Neurobiology, and Pathophysiology of Psychiatric Disorders Brain and Cognitive Sciences				
Keywords	Lithium and GSK3 Hypothesis, Pathology and Pathophysiology, The GABA System-II, Ca++ Signaling, Brain and Cognitive Sciences, Psychology, Pathophysiology, Bipolar Disorder, Neurobiology, Neurogenesis & Depression, Mental Health, The Dopamine Pathway & DARPP32, Behavioral Assays, Schizophrenia, Genetics, The Glutamate Hypothesis of Schizophrenia, Psychosis, CREB in Addiction & Depressive Behaviors, Genetics of Psychiatric Disorder, The GABA System-I, Psychiatry, DISC1				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-914-special-topics-genetics-neurobiology-and-pathophysiology-of-psychiatric-disorders-fall-2008/index.htm				
Description	An opportunity for graduate study of advanced subjects in Brain and Cognitive Sciences not included in other subject listings. The key topics covered in this course are Bipolar Disorder, Psychosis, Schizophrenia, Genetics of Psychiatric Disorder, DISC1, Ca++ Signaling, Neurogenesis and Depression, Lithium and GSK3 Hypothesis, Behavioral Assays, CREB in Addiction and Depressive Behaviors, The				

	GABA System-I, The GABA System-II, The Glutamate Hypothesis of Schizophrenia, The Dopamine Pathway and DARPP32.				
	Enkele psychiatrische aandoeningen worden vanuit verschillende perspectieven belicht, ziet eruit als geschikt niveau				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	Anatomy & Physiology				
Keywords	Anatomy, physiology				
URL	http://oli.cmu.edu/courses/free-open/anatomy-physiology/				
Description	<p>You probably have a general understanding of how your body works. But do you fully comprehend how all of the intricate functions and systems of the human body work together to keep you healthy? This course will provide that insight. By approaching the study of the body in an organized way, you will be able to connect what you learn about anatomy and physiology to what you already know about your own body. By taking this course, you will begin to think and speak in the language of the domain while integrating the knowledge you gain about anatomy to support explanations of physiological phenomenon. The course focuses on a few themes that, when taken together, provide a full view of what the human body is capable of and of the exciting processes going on inside of it. The themes are: Structure and function of the body, and the connection between the two. Homeostasis, the body's natural tendency to maintain a stable internal environment. Levels of Organization, the major levels of organization in the human organism from the chemical and cellular levels to the tissues, organs and organ systems. Integration of Systems, concerning which systems are subsets of larger systems, and how they function together in harmony and conflict. Developed with best practices in applied learning theory, this course offers an active learning experience for any student in the form of pre-tests, ample practice opportunities, 3D interactive images, walkthrough videos, and other special tools and applications that will increase your comprehension of anatomy and physiology. Ultimately, your understanding of the material offered in this course will provide you with a solid foundation to explore careers in the health and fitness industries.'</p> <p>Eenvoudige cursus over de basis anatomie en fysiologie, nuttig aan het begin van de bachelor</p>				
Institute	Open Learning Initiative	Duration	-	Level	Ba

Title	Biostatistics Lecture Series				
Keywords	Biostatistics				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/BiostatisticsLectureSeries05/coursePage/index/				
Description	The day-to-day collaboration between the researchers in Public Health and Biostatistics at the School reveals unified topics that cut across many applications. This				

	series of presentations: introduces the topics that show empirically to be most important in these collaborations; and emphasizes concepts over details, through recent applications in Public Health. Included here are a syllabus and lecture materials.				
	Introductie cursus in biostatistiek				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Fundamentals of Oncology for Public Health Practitioners				
Keywords	Oncology, public health				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/FundOnc/coursePage/index/				
Description	Lectures by current practitioners of cancer prevention control in clinical oncology cover the diagnosis, treatment, and prevention/screening measures used for cancers such as lung, breast, prostate, colon/rectal, etc. Cursus over basis oncologie voor public health medewerkers, ook gepast voor studenten als inleiding, besteed ook aandacht aan de public health aspecten				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Musculoskeletal Pathophysiology				
Keywords	Musculoskeletal, pathofysiology, bone, joint				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-021-musculoskeletal-pathophysiology-january-iap-2006/index.htm				
Description	This course covers the growth, development and structure of normal bone and joints, the biomechanics of bone connective tissues, and their response to stress, calcium and phosphate homeostasis. Additional topics include regulation by parathyroid hormone and vitamin D, the pathogenesis of metabolic bone diseases and diseases of connective tissues, joints and muscle with consideration of possible mechanisms and underlying metabolic derangements. Cursus over het bot en de gewrichten. De botvorming en structuur en de moleculaire processen hierachter. Ook over metabole aandoeningen van het bot en de gewrichten				
Institute	Massachusetts Institute of Technology	Duration	6 u/week	Level	Ba

Title	HST.035 Principle and Practice of Human Pathology				
Keywords	Pathofysiology				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-035-principle-and-practice-of-human-pathology-spring-2003/index.htm				
Description	This course provides a comprehensive overview of human pathology with emphasis on mechanisms of disease and diagnostic medicine. Topics include: Cellular Mechanisms of Disease Molecular Pathology Pathology of Major Organ Systems Review of Diagnostic Tools from Traditional Surgical Pathology to Diagnostic Spectroscopy Functional and Molecular Imaging Molecular				

	Diagnostics In addition to lectures, one of the two weekly sessions includes a 2-3 hour laboratory component. Periodically, time will also be devoted to minicases.				
	Cursus over pathologie, basis niveau, nuttig in het eerste jaar.				
Institute	Massachusetts Institute of Technology	Duration	6 u / week	Level	Ba

Title	HST.071 Human Reproductive Biology				
Keywords	Gynaecology, Obstetrics, fetus, reproductive organs				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-071-human-reproductive-biology-fall-2005/				
Description	<p>This course is designed to give the student a clear understanding of the pathophysiology of the menstrual cycle, fertilization, implantation, ovum growth development, differentiation and associated abnormalities. Disorders of fetal development including the principles of teratology and the mechanism of normal and abnormal parturition will be covered as well as the pathophysiology of the breast and disorders of lactation. Fetal asphyxia and its consequences will be reviewed with emphasis on the technology currently available for its detection. In addition the conclusion of the reproductive cycle, menopause, and the use of hormonal replacement will be covered.</p> <p>Cursus over gynaecologische pathofysiologie en anatomie, past goed in het onderdeel voortplanting</p>				
Institute	Massachusetts Institute of Technology	Duration	9 u /week	Level	Ba

Title	HST.161 Molecular Biology and Genetics in Modern Medicine				
Keywords	molecular biology, genomics, genetics				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-161-molecular-biology-and-genetics-in-modern-medicine-fall-2007/				
Description	<p>This course provides a foundation for understanding the relationship between molecular biology, developmental biology, genetics, genomics, bioinformatics, and medicine. It develops explicit connections between basic research, medical understanding, and the perspective of patients. Principles of human genetics are reviewed. We translate clinical understanding into analysis at the level of the gene, chromosome and molecule; we cover the concepts and techniques of molecular biology and genomics, and the strategies and methods of genetic analysis, including an introduction to bioinformatics. Material in the course extends beyond basic principles to current research activity in human genetics.</p> <p>Verdiepende cursus over de relatie tussen moleculaire biologie, genetica en zorg</p>				
Institute	Massachusetts Institute of Technology	Duration	6 u / week	Level	Ba

Title	HST.176 Cellular and molecular Immunology				
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Keywords	immunology, lymphocytes				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-176-cellular-and-molecular-immunology-fall-2005/				
Description	<p>This course covers cells and tissues of the immune system, lymphocyte development, the structure and function of antigen receptors, the cell biology of antigen processing and presentation, including molecular structure and assembly of MHC molecules, the biology of cytokines, leukocyte-endothelial interactions, and the pathogenesis of immunologically mediated diseases. The course is structured as a series of lectures and tutorials in which clinical cases are discussed with faculty tutors.</p> <p>Over de cellen en weefsels van het immuunsysteem en het cellulaire proces van een immuunreactie</p>				
Institute	Massachusetts Institute of Technology	Duration	6 u/week	Level	Ba

Title	HST.525J / 10.548J Tumor Pathophysiology and Transport Phenomena				
Keywords	Oncology, tumor, pathophysiology				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-525j-tumor-pathophysiology-and-transport-phenomena-fall-2005/				
Description	<p>Tumor pathophysiology plays a central role in the growth, invasion, metastasis and treatment of solid tumors. This class applies principles of transport phenomena to develop a systems-level, quantitative understanding of angiogenesis, blood flow and microcirculation, metabolism and microenvironment, transport and binding of small and large molecules, movement of cancer and immune cells, metastatic process, and treatment response.</p> <p>Over de pathofysiologie achter de ontwikkeling van tumoren, nadruk op de biologische processen</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	Quantitative Physiology: cells and tissues				
Keywords	cells, membranes, 2.794J, resting potential, action potential, 6.521J, 6.021J, mass transport, 20.470J, HST.541, electrical signal generation, voltage-gated ion channels, quantitative physiology, tissues, 20.370, osmosis, equilibrium potential, diffusion, 2.791, 2.794, biological membranes, HST.541J, chemically mediated transport, 6.521, active transport, Biophysics, Cell Biology, Molecular Biology, 20.470, 20.370J, 6.021, ion transport, Anatomy and Physiology, 2.791J				
URL	http://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-021j-quantitative-physiology-cells-and-tissues-fall-2004/index.htm				
Description	<p>In this subject, we consider two basic topics in cellular biophysics, posed here as questions: Which molecules are transported across cellular membranes, and what are the mechanisms of transport? How do cells maintain their compositions, volume, and membrane potential? How are potentials generated across the membranes of cells? What do these potentials do?</p>				

	Basis fysiologie van cellen en transport van moleculen over membranen (deel 1 van tweedelige cursus)				
Institute	Massachusetts Institute of Technology	Duration	5 u/week	Level	Ba

Title	HST.542J / 2.792J / 20.371J / 6.022J Quantitative Physiology: Organ Transport Systems				
Keywords	Fysiology, organs				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-542j-quantitative-physiology-organ-transport-systems-spring-2004/				
Description	<p>This course elaborates on the application of the principles of energy and mass flow to major human organ systems. It discusses mechanisms of regulation and homeostasis. It also discusses anatomical, physiological, and pathophysiological features of the cardiovascular, respiratory, and renal systems. There is emphasis on those systems, features, and devices that are most illuminated by the methods of physical sciences.</p> <p>Verdiepende cursus in de fysiologie van de grote organen (deel 2 van de cursus)</p>				
Institute	Massachusetts Institute of Technology	Duration	4 u/week	Level	Ba

Title	HST.720 Physiology of the Ear				
Keywords	Physiology, ear				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-720-physiology-of-the-ear-fall-2004/				
Description	<p>Topics for this course are based primarily on reading and discussions of original research literature that cover the analysis as well as the underlying physical and physiological mechanisms of acoustic signals in the auditory periphery. Topics include the acoustics, mechanics, and hydrodynamics of sound transmission; the biophysical basis for cochlear amplification; the physiology of hair-cell transduction and synaptic transmission; efferent feedback control; the analysis and coding of simple and complex sounds by the inner ear; and the physiological bases for hearing disorders.</p> <p>Fysiologie van het oor, basis niveau</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	HST.721 The Peripheral Auditory System				
Keywords	Ear, hearing, deafness				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-721-the-peripheral-auditory-system-fall-2005/				
Description	In this course, experimental approaches to the study of hearing and deafness are presented through lectures, laboratory exercises and discussions of the primary				

	literature on the auditory periphery. Topics include inner-ear development, functional anatomy of the inner ear, cochlear mechanics and micromechanics, mechano-electric transduction by hair cells, outer hair cells' electromotility and the cochlear amplifier, otoacoustic emissions, synaptic transmission, stimulus coding in auditory nerve responses, efferent control of cochlear function, damage and repair of hair-cell organs, and sensorineural hearing loss				
	Over de functie en anatomie van het oor, horen en doofheid, basis niveau				
Institute	Massachusetts Institute of Technology	Duration	5 u/week	Level	Ba

Title	HST.722J / 9.044J Brain Mechanisms for Hearing and Speech				
Keywords	brain, hearing, speech, neurology				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-722j-brain-mechanisms-for-hearing-and-speech-fall-2005/				
Description	An advanced course covering anatomical, physiological, behavioral, and computational studies of the central nervous system relevant to speech and hearing. Students learn primarily by discussions of scientific papers on topics of current interest. Recent topics include cell types and neural circuits in the auditory brainstem, organization and processing in the auditory cortex, auditory reflexes and descending systems, functional imaging of the human auditory system, quantitative methods for relating neural responses to behavior, speech motor control, cortical representation of language, and auditory learning in songbirds.				
	Over de verwerking van auditoire signalen en de neurologie daarachter				
Institute	Massachusetts Institute of Technology	Duration	4 u/week	Level	Ba

Title	HST.730 Molecular Biology for the Auditory System				
Keywords	molecular biology, auditory system				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-730-molecular-biology-for-the-auditory-system-fall-2002/				
Description	An introductory course in the molecular biology of the auditory system. First half focuses on human genetics and molecular biology, covering fundamentals of pedigree analysis, linkage analysis, molecular cloning, and gene analysis as well as ethical/legal issues, all in the context of an auditory disorder. Second half emphasizes molecular approaches to function and dysfunction of the cochlea, and is based on readings and discussion of research literature.				
	Basis cursus van de moleculaire biologie achter het gehoor en het oor				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Introduction to Mental Health and Disaster Preparedness				
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Keywords	disaster, mental health				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/IntroMentalHealthDisasterPreparedness/coursePage/index/				
Description	<p>This presentation introduces the topics of disaster mental health services, mental health surge capacity, and psychiatric first aid. This presentation's content is part of a non-credit, professional development training generated by JHSPH faculty and the Johns Hopkins Center for Public Health Preparedness. The OCW version of this presentation comprises slides only. A full version, including synchronized audio is available at no charge by visiting the Johns Hopkins Center for Public Health Preparedness (registration required).</p> <p>Cursus bedoeld voor professionals over het verlenen van mentale eerste hulp na rampen (volledige versie incl. audio beschikbaar)</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ma Spec

Title	Statistical Reasoning I				
Keywords	Biostatistics, public health				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/StatisticalReasoning1/coursePage/index/				
Description	<p>Statistical Reasoning in Public Health provides a broad overview of biostatistical methods and concepts used in the public health sciences, emphasizing interpretation and concepts rather than calculations or mathematical details. It develops ability to read the scientific literature to critically evaluate study designs and methods of data analysis, and it introduces basic concepts of statistical inference, including hypothesis testing, p-values, and confidence intervals. Topics include comparisons of means and proportions; the normal distribution; regression and correlation; confounding; concepts of study design, including randomization, sample size, and power considerations; logistic regression; and an overview of some methods in survival analysis. The course draws examples of the use and abuse of statistical methods from the current biomedical literature.</p> <p>Cursus over statistische analyse en de redenering achter gegevens, toegespitst op public health (deel 1 van 2)</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Statistical Reasoning II				
Keywords	Biostatistics, public health				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/StatisticalReasoning2/coursePage/index/				
Description	<p>Statistical Reasoning in Public Health II provides a broad overview of biostatistical methods and concepts used in the public health sciences, emphasizing interpretation and concepts rather than calculations or mathematical details. It develops ability to read the scientific literature to critically evaluate study designs and methods of data analysis. It introduces basic concepts of statistical inference, including hypothesis testing, p-values, and confidence intervals. Topics include comparisons of means and proportions; the normal distribution; regression and correlation; confounding;</p>				

	<p>concepts of study design, including randomization, sample size, and power considerations; logistic regression; and an overview of some methods in survival analysis. The course draws examples of the use and abuse of statistical methods from the current biomedical literature.</p> <p>Verdiepende cursus over statistische analyse en de redenering achter gegevens, toegespitst op public health (deel 2 van de 2)</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Understanding Cost-Effectiveness Analysis in Health Care				
Keywords	Cost-effectiveness, analysis, healthcare				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/UnderstandingCostEffectiveness/coursePage/index/				
Description	<p>The primary objective of this content is to prepare students to read and interpret cost-effectiveness studies. The students will first be introduced to basic economic concepts that are needed in order to understand the recommendations from the United States Panel on Cost Effectiveness in Health and Medicine. One example is the distinction between opportunity costs and budgetary costs. The recommendations will then be reviewed, particularly as they apply to what students should expect to read in cost-effectiveness research reports. Next, the relationship between cost-effectiveness results and other elements of the health care policy decision-making process will be discussed. More information will be provided on several aspects of how to conduct cost-effectiveness analyses. A critical discussion of several current articles demonstrating cost-effectiveness analyses will be an integral part of this course. When a student has completed this course, he or she will be able to read, comprehend, and perform a basic critique of cost-effectiveness papers and take part in discussions of planned cost-effectiveness research.</p> <p>Over het maken van kosten-baten analyses en deze interpreteren</p>				
Institute	Johns Hopkins University	Duration	-	Level	Ba

Title	Statistical Methods in Brain and Cognitive Science				
Keywords	experimental design, chi squared, hypothesis testing, error bars, standard deviation, regression, statistics, ANOVA, binomial distribution, sampling, categorical data, mean, probability, confidence intervals, Biostatistics, Cognitive Science, best fit, variance, correlation, Probability and Statistics, median, linear regression, random variables, spread, histograms, graphs				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-07-statistical-methods-in-brain-and-cognitive-science-spring-2004/				
Description	<p>This course emphasizes statistics as a powerful tool for studying complex issues in behavioral and biological sciences, and explores the limitations of statistics as a method of inquiry. The course covers descriptive statistics, probability and random variables, inferential statistics, and basic issues in experimental design. Techniques introduced include confidence intervals, t-tests, F-tests, regression, and analysis of variance. Assignments include a project in data analysis.</p>				

	Basis cursus in statistiek toegespitst op de hersenen en cognitieve wetenschappen				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Introduction to Biostatistics				
Keywords	Biostatistics				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/IntroBiostats/coursePage/index/				
Description	<p>Introduction to Biostatistics provides an introduction to selected important topics in biostatistical concepts and reasoning. This course represents an introduction to the field and provides a survey of data and data types. Specific topics include tools for describing central tendency and variability in data; methods for performing inference on population means and proportions via sample data; statistical hypothesis testing and its application to group comparisons; issues of power and sample size in study designs; and random sample and other study types. While there are some formulae and computational elements to the course, the emphasis is on interpretation and concepts.</p> <p>Introductie cursus in biostatistiek</p>				
Institute	Massachusetts Institute of Technology	Duration	-	Level	Ba

Title	Contemporary Health issues				
Keywords	Public health, health issues				
URL	http://hth21fall2012.wikispaces.com/home				
Description	<p>Student learning outcomes: 1. Assess health behavior choices, apply that information to everyday life for the improvement of individual, family, and community well-being. 2. Identify preconceived ideas about knowledge, values, and behavior that affect health and compare with established research and accepted scientific evidence.</p> <p>courseware in public health, vooral hoofdstuk 1, 2, 5, 8, 9, 10 en 11 kunnen handig zijn</p>				
Institute	Foothill College	Duration		Level	Ba

Title	Cell biology and genetics				
Keywords	Celbiology, genetics				
URL	http://oer.avu.org/handle/123456789/32				
Description	<p>We have structured the module for you into two main sections namely Cell Biology and Genetics. Section A will introduce you to cells (cell theory), the molecular and structural organizations of prokaryotic and eukaryotic cells (emphasis on eukaryotic cells). Other topics to be covered under section A include cell division, nucleic acids, colloidal systems (enzyme kinetics and</p>				

	<p>metabolisms) and techniques in cell biology. Section B starts with the history of genetics and moves on to genetic code and chromosomal theory(multiple alleles, sex linkages traits, crossing-over and mapping). This section also covers mutations and variations; elements of population genetics and the application of genetics in biotechnology, agriculture, medicine and industry. The section will also introduce you to principles of genetics with specific reference to the classical transmission of genetic information.</p> <p>Basale celbiologie en genetica, wel vanuit biologisch perspectief maar niet te diepgaand</p>				
Institute	African Virtual University	Duration	120	Level	Ba

Title	Implementing innovative change in practice				
Keywords	Implementing change; Health professionals; Occupational therapist; Professional thinking; Professional responsibility, Improving practice				
URL	http://find.jorum.ac.uk/resources/10949/19147				
Description	<p>The five e-tivities are aimed at health professionals who are committed to improving their current practice. Completion of the e-tivities will enable them to improve their ability to develop, implement and advance their current practice by continuously adapting to a changing user profile and practice setting while considering change management principles. The e-tivities have been used within occupational therapy courses at the School of Health, University of Northampton. These e-tivities are designed to encourage student interaction and peer reflection and some of these activities direct students to blogs which will require being set-up and managed by an online facilitator.</p> <p>5 korte assignments ter verbetering van de kwaliteit van de zorg</p>				
Institute	University of Northampton	Duration	-	Level	Spec

Title	The physiology of the kidneys				
Keywords	ukoer, body, kidney function, physiology, kidney				
URL	http://unow.nottingham.ac.uk/resources/resource.aspx?hid=35a2f5c3-dc41-6336-7859-1dcf0c5149f0#				
Description	<p>Aimed at pre-registration Nursing students studying human biology, this learning object introduces the physiology of the kidney, examining the processes by which the kidneys filter blood, control body pH and eliminate the waste products of metabolism from the body.</p> <p>Eenvoudig cursusje over de werking van de nieren, duidelijke filmpjes maar basaal niveau</p>				
Institute	University of Nottingham	Duration	-	Level	Ba

Title	How ligand-gated ion channel receptors communicate messages				
Keywords	pharmacology, biological processes, ukoer				
URL	http://www.nottingham.ac.uk/nmp/sonet/rlos/bioproc/ligandgated/				

Description	This learning object explains how ligand-gated channel receptors signal messages. Kort cursusje over ion kanaal receptoren met bijbehorende animaties, geeft handig inzicht in een lastig proces, met quizvragen				
Institute	University of Nottingham	Duration		Level	Ba

Title	Foot and Ankle Examination				
Keywords	musculoskeletal, captions, foot, physical exam, videos, feet, ankle, Physical Examination, family medicine				
URL	http://open.umich.edu/education/med/familymed/musculoskeletalexaminations/foot-and-ankle-examination/2013.html				
Description	<p>The purpose of this unit is to have a web based, readily accessible learning tool for medical students and residents to learn and improve musculoskeletal exam of the foot and ankle. Components of the unit include:- A video showing the complete foot and ankle exam- Lists of common causes of foot and ankle pain- A brief synopsis for each diagnosis of foot or ankle pain- A quick reference guide to specific exam maneuvers- Photos and drawings to assist with visualization of foot and ankle anatomy</p> <p>OCW met daarin video's over het uitvoeren van lichamelijk onderzoek van de voet en enkel</p>				
Institute	University of Michigan Medical School	Duration	3	Level	Ba

Title	Hand and Wrist Examination				
Keywords	wrist, musculoskeletal, medicine, captions, hands, family medicine, videos				
URL	http://open.umich.edu/education/med/familymed/musculoskeletalexaminations/hand-and-wrist-examination/2013/materials.html				
Description	<p>The purpose of this unit is to have a web based, readily accessible learning tool for medical students and residents to learn and improve musculoskeletal exam of the hand and wrist. Components of the unit include:- A video showing the complete hand and wrist exam- Lists of common causes of hand and wrist pain- A brief synopsis for each diagnosis of hand or wrist pain- A quick reference guide to specific exam maneuvers- Photos and drawings to assist with visualization of hand and wrist anatomy</p>				
Institute	University of michigan Medical School	Duration	3	Level	Ba

Title	Hip Examination				
Keywords	musculoskeletal, captions, physical exam, videos, hip, family medicine, Physical Examination				
URL	http://open.umich.edu/education/med/familymed/musculoskeletalexaminations/hip-examination/2013/materials.html				

Description	<p>The purpose of this unit is to have a web based, readily accessible learning tool for medical students and residents to learn and improve musculoskeletal exam of the hip. Components of the unit include:- A video showing the complete hip exam- Lists of common causes of hip pain. A brief synopsis for each diagnosis of hip pain- A quick reference guide to specific exam maneuvers. Photos and drawings to assist with visualization of hip anatomy- Review of documentation of a hip exam- Links to further.</p> <p>OCW met daarin video's en teksten waarin het uitvoeren van het lichamelijk onderzoek van de heup wordt gesproken.</p>				
Institute	University of michigan Medical School	Duration	3	Level	Ba

Title	Knee Examination				
Keywords	musculoskeletal, examination, translation, captions, videos, multilingual, knee, family medicine				
URL	http://open.umich.edu/education/med/familymed/musculoskeletalexaminations/knee-examination/2013/materials.html				
Description	OCW met daarin video's en teksten over het uitvoeren van het lichamelijk onderzoek van de knie				
Institute	University of michigan Medical School	Duration	3	Level	Ba

Title	Patients and Populations: Medical Genetics				
Keywords	data analysis, OER, medical decision making, epidemiology, biostatistics, medicine, evaluation				
URL	http://open.umich.edu/education/med/m1/patientspop-genetics/fall2008/materials.html				
Description	<p>The Patients and Populations sequence focuses on genetics, principles of disease, epidemiology, information gathering and assessment. The sequence features two modules: Medical Genetics and Medical Decision-Making. In this module, students will: Construct well-defined clinical questions from case scenarios, designed to improve general knowledge about a topic, and to help make decisions regarding the use of diagnostic tests. Understand the differences between foreground and background questions and the implications for the types of information resources best suited to answer these questions. Become familiar with the U-M information environment, and learn to effectively search several core biomedical resources to answer specific clinical questions. Develop an understanding of the basic foundations of biostatistics, research design and epidemiology to begin to apply scientific data to the understanding of clinical conditions. Effectively and logically apply probabilistic reasoning to diagnostic questions that arise in patient case scenarios.</p> <p>Self Paced OCW over de opkomende invloed van medische genetica. Bestaat uit een inleiding over medische Genetica met een aantal voorbeelden uit de praktijk.</p>				
Institute	University of michigan	Duration		Level	Ba

	Medical School				
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Title	M2 Musculoskeletal				
Keywords	joint structure, musculoskeletal, musculoskeletal diseases, bone structure, musculoskeletal system				
URL	http://open.umich.edu/education/med/m2/musculo2/fall2008/materials.html				
Description	<p>This sequence presents the basic principles of bone and joint structure and function and to review many of the disease entities related to this system and to the soft tissue as well. General clinical approaches to diagnosis and treatment will be discussed as well</p> <p>OCW over aandoeningen aan het spier- en skeletstelsel. Denk hierbij vooral aan botmisvormingen en -ontstekingen.</p>				
Institute	University of michigan Medical School	Duration		Level	Ba

Title	Adolescent Health and Development				
Keywords	Adolescent, puberty, health, development				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/AdolHealthDev/coursePage/index/				
Description	<p>The course consists of lectures, readings, discussions, panels of guest speakers, group and individual projects. The purpose of the lectures, readings, discussion and panels of guest speakers is to explore a variety of aspects of adolescence and adolescent health. The group and individual projects are meant to help students develop skills to work in multi-disciplinary teams and analyze adolescent health concerns through conceptual frameworks and recommend effective solutions through interventions</p> <p>Self Paced OCW over de gezondheid en ontwikkeling van Adolescenten. Bevat 16 lectures met hiernaast nog leeswerk over allerlei zaken die gerelateerd zijn aan de puberteit.</p>				
Institute	Johns Hopkins Medical School	Duration	4 u/week	Level	Ba Ma

Title	Health Across the Life Span: Frameworks, Context and Measurements				
Keywords	Health, life span, gender				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/HealthAcrossLifeSpan/coursePage/schedule/				
Description	<p>This course introduces and examines the basic principles which guide growth and development and the health of individuals across the lifespan, from the prenatal period through senescence. Presents methodological, conceptual and substantive issues necessary for understanding and evaluating empirically based information about growth, development and health at different stages of life and from different academic perspectives. Course covers several themes, including contributions of</p>				

	<p>biological and environmental factors to health and human development, measuring the health of individuals in communities, understanding determinants and consequences of health and development across the lifespan, measuring population health and assessing the implications of health disparities. After completing this course, the student should be able to do the following: Identify an alternative approach to the health of populations other than the disease-based approach Discuss the value of integrating multiple perspectives to understanding human health, including the demographic, human development, lifespan, family, and community contexts Demonstrate how a longitudinal, lifespan approach provides an expanded understanding of the multiple determinants of health Identify the common models of behavior change used in public health at both the individual and the population levels Describe an integrated approach to understanding the health of populations in developing and developed countries</p> <p>Self Paced OCW dat voornamelijk gaat over Health en gezondheid in bepaalde levensfasen. Ook gaat het deels over gendersverschillen.</p>				
Institute	Johns Hopkins Medical School	Duration	2 uur per lecture, 13 lectures	Level	Ba

Title	Health is Everywhere : Unraveling the mystery of health				
Keywords	Health, quality of life,				
URL	http://www.open.edu/openlearn/health-sports-psychology/health/health-studies/health-everywhere-unravelling-the-mystery-health/content-section-1.1				
Description	<p>This free textbook/course "begins by exploring the notion implied in the title that health pervades all parts of our public and private lives. It will become clear that although health is everywhere, it takes different forms and has different meanings for different people and in different contexts. We all have our own versions of health and you will be able to check yours against a range of other views, including the views of the team who were responsible for producing this unit. We think this is important because, as you will increasingly become aware as you work through these materials, the way we view health affects the way we work for health, and in our case the way we write about it.</p> <p>OCW over wat gezondheid nu precies is en inhoudt vanuit allerlei perspectieven.</p>				
Institute	The Open University	Duration	6	Level	Ba

Title	The Science of Sex & Gender				
Keywords	Science of Sex and Gender, gender differences, NIH, health sciences				
URL	https://www.sexandgendercourse.org/content/influence-sex-and-gender-disease-expression-and-treatment				
Description	<p>This short blog post & video introduces faculty & researchers to The Science of Sex & Gender, a free online course developed by the National Institutes of Health. Some background is given on why a health sciences researcher should consider gender in his/her studies and a short overview of the classes in the course are offered.</p>				

	Self Paced OCW bestaande uit 3 delen dat gaat over genderverschillen. De 3 onderwerpen zijn: Verschillen op basis van biologie, Verschillen op basis van gezondheid en gedrag en verschillen op basis van ziektes en behandelingen.				
Institute	NIH	Duration	3 u per cursus	Level	Ba

Title	Vaccination				
Keywords	Vaccines, immunology, vaccination				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/vaccination/content-section-1.1				
Description	<p>This free, online text/course introduces the student to vaccinations. "The unit begins with the early history of smallpox – the first infectious disease to be eradicated by a vaccination programme. At the end of section 1," you will be asked to "read an article on the history of smallpox, then, before continuing further with this unit, you should turn to the case study on polio, where we discuss the prospects for making this the second infectious disease to be eradicated by vaccination. At the end of section 5 you will study the mini-lecture on vaccination. You will conclude your study of this chapter by conducting some internet research on the progress of vaccination programmes</p> <p>Zeer uitgebreide Self Paced OCW over vaccinatie. Bevat informatie over de historie, werkwijze en toekomst van het vaccineren.</p>				
Institute	The Open University	Duration	14	Level	Ba

Title	M1 Infectious Disease/ Microbiology				
Keywords	medical microbiology, infectious diseases, antimicrobial therapy				
URL	http://open.umich.edu/education/med/m1/microbio/winter2009/materials.html				
Description	<p>This sequence introduces students to medical microbiology, infectious diseases, and antimicrobial therapy, and focuses on pathogenesis and clinical manifestations of various infectious diseases.</p> <p>Self Paced OCW van Open Michigan over infectieziekten. Bevat verschillende lectures over onder andere virussen, parasieten en celschade door infecties. Bevat ook links naar aanbevolen leeswerk</p>				
Institute	University of Michigan Medical School	Duration	14	Level	Ba Ma

Title	M1 Patients and Populations: Medical Genetics				
Keywords	genetics, DNA, OER, genomics, RNA, medicine				
URL	http://open.umich.edu/education/med/m1/patientspop-genetics/fall2008/materials.html				
Description	<p>The Patients and Populations sequence focuses on genetics, principles of disease, epidemiology, information gathering and assessment. The sequence features two modules: Medical Genetics and Medical Decision-Making. The growing awareness of the central role of genetic factors in the causation of human disease has made genetics one of the most rapidly developing fields in medicine. Much of this</p>				

	<p>progress has been propelled by advances in the area of molecular genetics and genomics, advances that, in turn, have been applied directly to the diagnosis and management of disease. The objective of this course is to present the basic principles of medical genetics and their application to clinical medicine, with the intent of providing students the necessary background to understand ongoing developments in genetics and their application to clinical problems. The elucidation of the human genome, and the genomes of multiple other organisms, will change the way medicine is practiced. In order for physicians to understand these developments and utilize them for the benefits of their patients, they will have to be conversant with molecular genetic technologies and the technologies for acquiring, organizing, and interpreting new information</p> <p>Self Paced OCW van Open Michigan over Genetica en Epidemiologie. Bevat een aantal lectures over verschillende aandoeningen die genetisch worden veroorzaakt.</p>				
Institute	University of Michigan Medical School	Duration		Level	Ba Ma

Title	Health Issues for Aging Populations				
Keywords	Aging population, dementia, health issues				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/AgingPopulations/coursePage/schedule/				
Description	<p>This course introduces the study of aging, its implications for individuals, families, and society, and the background for health policy related to older persons. It presents an overview on aging from different perspectives: demography, biology, epidemiology of diseases, physical and mental disorders, functional capacity and disability, health services, federal and state health policies, social aspects of aging, and ethical issues in the care of older individuals. The Course Learning Objectives are: To introduce students to a range of health issues that older persons, their health providers, and society face in the next decade. These include the demographics and biology of aging, an understanding of the basic health and mental health issues, and policy decisions that state and federal government will need to solve related to these issues</p> <p>OCW over gezondheidsproblemen in de oudere populatie. Bespreekt onderwerpen op fysiek en mentaal gebied.</p>				
Institute	Johns Hopkins Medical School	Duration		Level	Ba Ma

Title	Global Health Lab				
Keywords	technology, clinic, marketing, business model, strategy, India, Health Care Management, health delivery, Public Health, global health, action lab, cost analysis, revenue model, oec, Africa, operations, ocwc, hospital, healthcare				
URL	http://ocw.mit.edu/courses/sloan-school-of-management/15-s07-globalhealth-lab-spring-2013/index.htm				
Description	This course pairs faculty-mentored student teams with enterprises on the front lines of health care delivery in sub-Saharan Africa and South Asia. To tackle				

	<p>specific barriers identified by each partnering organization, the course is built around custom-designed projects in strategy, business model innovation, operations, marketing, and technology. Class sessions include interactive cases, practical exercises, and lively conversations with experts, all designed to support project work before, during, and after the intensive two-week onsite collaboration with entrepreneurs, leaders, staff, and stakeholders in the setting. Course assignments include a portfolio of host deliverable, a foundational toolkit designed to support each project, and a distillation of learning from the field. Acknowledgements Special thanks is given to Imperial Health Sciences, Unjani Clinic and L V Prasad Eye Institute for allowing their organizations to be featured in the sample student projects on this course site</p> <p>Self Paced Courseware over Global Health. Kan gegeven worden in een Minor voor studenten die geïnteresseerd zijn in de meer management kant van de geneeskunde.</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba Ma

Title	M2 Hematology/ Oncology				
Keywords	hematology, bleeding disorders, oncology, anemia, white blood cell disorders, lymphocyte disorders				
URL	http://open.umich.edu/education/med/m2/hematology/winter2009/materials.html				
Description	<p>In the hematology sequence, students learn to recognize and diagnose anemias, bleeding and clotting disorders, and abnormal white blood cell and lymphocyte disorders. Students learn the clinical approach to a patient with a red blood cell, hemostatic or thrombotic, and white blood cell disorder.</p> <p>Zeer groot self paced OCW over allerlei verschillende bloedziekten zoals: anemie, hemolyse, leukemie, lymfomen en problemen met het beenmerg. Geeft hiernaast ook een kleine inleiding in de hematologie.</p>				
Institute	University of Michigan Medical School	Duration		Level	Ba Ma

Title	Cardiovascular/ Respiratory				
Keywords	medicine, OER, cardiovascular, respiratory				
URL	http://open.umich.edu/education/med/m1/cardioresp/fall2008.html				
Description	<p>The major objective of this sequence is for the students to gain an understanding of the structure and function of the cardiovascular and respiratory systems through lectures, laboratory exercises, patient presentation and small group conferences.</p> <p>Self Paced OCW dat vooral ingaat op de structuur en functie van het respiratoire en circulatoire systeem</p>				
Institute	University of Michigan	Duration		Level	Ba

	Medical School				
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Title	M1 Renal				
Keywords	urinary tract, renal, medicine, kidney, metabolism, Open Education Resource				
URL	http://open.umich.edu/education/med/m1/renal1/fall2008.html				
Description	<p>This sequence addresses the various structural components in the kidney are specialized for processing of the filtrate and production of urine. It also covers homeostatic mechanisms involved in the control and regulation of fluid, electrolyte and acid-base balance, as well as metabolic processes in eliminating nitrogenous waste such as urea and uric acid.</p> <p>Self Paced OCW over nefrologie. Bespreekt de structuren en de werking van de nieren.</p>				
Institute	University of Michigan Medical School	Duration		Level	Ba

Title	M2 Renal				
Keywords	nephrology, urinary tract, urinary tract diseases, renal failure, kidney, kidney disease				
URL	http://open.umich.edu/education/med/m2/renal2/fall2008/materials.html				
Description	<p>The M2 Renal Sequence provides an overview of diseases of the kidney and urinary tract in a clinical setting and provides an introduction to the basic concepts about the area and tools you will need to continue learning about them in future years. The sequence consists of lectures, small group seminars, Clinicopathological Correlation Laboratories, and multidisciplinary conferences on end stage renal disease and organ procurement. Over twenty faculty members from Nephrology, Pathology, Urology, and Pharmacology will participate in the lectures, seminars, and Clinicopathological Correlation Laboratory sessions.</p> <p>Self Paced OpenCourseware over verschillende Nierziekten. Bevat onder andere lectures over: diabetische nefropathie, zuur-base stoornissen, hemodialyse en erfelijke nierziekten.</p>				
Institute	University of Michigan Medical School	Duration		Level	Ba

Title	Cellular Neurobiology				
Keywords	Cognitive Science, resting potential, nervous system, neurotransmitters, Neurobiology, action potential, Neuroscience, olfaction, receptors, membrane channels, neurodevelopment, synaptic transmission, neurochemistry, axon, oec, thermoreception, synapse, ocwc, neurons				
URL	http://ocw.mit.edu/courses/biology/7-29j-cellular-neurobiology-spring-2012/lecture-notes/				

Description	<p>This course serves as an introduction to the structure and function of the nervous system. Emphasis is placed on the cellular properties of neurons and other excitable cells. Topics covered include the structure and biophysical properties of excitable cells, synaptic transmission, neurochemistry, neurodevelopment, and the integration of information in simple systems and the visual system.</p> <p>Self Paced OCW over Neurobiologie op Cellulair niveau. Bevat een groot aantal Lectures over onder andere neuronen en synapsen.</p>				
Institute	Massachusetts Institute of Technology	Duration	1,5 uur per lecture	Level	Ba

Title	Biological Bases of learning and Memory				
Keywords	<p>Associative, cpg15, Genetics, synaptic transmission, neuroscience, synapse stabilization, cerebellar plasticity, perceptual learning, oec, neuromodulation, pre- and post-synaptic mechanisms, neural tissue, activity-regulated genes, Cognitive Science, Neurobiology, experience-dependent synaptic plasticity, Neuroscience, learning, neurotransmitter release, memory, Cell Biology, Molecular Biology, experience-dependent circuit remodeling, synapse formation, neuronal connections, hippocampus, Non-Associative, ocwc, long-term depression, long-term potentiation, synaptic plasticity, observational learning</p>				
URL	http://ocw.mit.edu/courses/biology/7-343-biological-bases-of-learning-and-memory-spring-2014/index.htm				
Description	<p>How does the brain come to learn whether a stimulus is annoying, rewarding or neutral? How does remembering how to ride a bicycle differ from remembering scenes from a movie? In this course, students will explore the concept that learning and memory have a physical basis that can be observed as biochemical, physiological and/or morphological changes to neural tissue. Our goal will be to understand the strategies and techniques biologists use to search for the memory trace: the "holy grail" of modern neuroscience. This course is one of many Advanced Undergraduate Seminars offered by the Biology Department at MIT. These seminars are tailored for students with an interest in using primary research literature to discuss and learn about current biological research in a highly interactive setting. Many instructors of the Advanced Undergraduate Seminars are postdoctoral scientists with a strong interest in teaching.</p> <p>Deze Self Paced Opencourseware gaat over de biologie achter leren en onthouden. Bevat lectures en verwijzingen naar Literatuur.</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba

Title	From Molecules to Behaviours: Synaptic Neurophysiology				
Keywords	<p>synaptic neurophysiology, neuronal circuits, synaptic release, Neurobiology, oec, Neuroscience, Anatomy and Physiology, synaptic fusion, ocwc, neuron, synaptic plasticity</p>				
URL	http://ocw.mit.edu/courses/biology/7-349-from-molecules-to-behavior-synaptic-neurophysiology-spring-2010/index.htm				

Description	<p>Like transistors in a computer, synapses perform complex computations and connect the brain's non-linear processing elements (neurons) into a functional circuit. Understanding the role of synapses in neuronal computation is essential to understanding how the brain works. In this course students will be introduced to cutting-edge research in the field of synaptic neurophysiology. The course will cover such topics as synapse formation, synaptic function, synaptic plasticity, the roles of synapses in higher cognitive processes and how synaptic dysfunction can lead to disease. This course is one of many Advanced Undergraduate Seminars offered by the Biology Department at MIT. These seminars are tailored for students with an interest in using primary research literature to discuss and learn about current biological research in a highly interactive setting. Many instructors of the Advanced Undergraduate Seminars are postdoctoral scientists with a strong interest in teaching</p> <p>Self Paced OCW over de neurofysiologie van de synapsen. Bevat lectures en verwijzingen naar Literatuur</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba

Title	Introduction to Neuroscience				
Keywords	neuroscience, development, evolution, brain				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-01-introduction-to-neuroscience-fall-2007/lecture-notes/				
Description	<p>This course is an introduction to the mammalian nervous system, with emphasis on the structure and function of the human brain. Topics include the function of nerve cells, sensory systems, control of movement, learning and memory, and diseases of the brain.</p> <p>Self Paced OCW dat een inleiding geeft in het zenuwstelsel van de mens. Bevat onder andere informatie over anatomie, zintuigen en het motorische systeem</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba

Title	M1 Central Nervous System / Head & Neck				
Keywords	diencephalon, nerves, hypothalamus, CNS, spinal cord, central nervous system, OER, cerebral cortex, brain stem, basal ganglia, medicine, brain, cerebellum				
URL	http://open.umich.edu/education/med/m1/cns/winter2009/materials.html				
Description	<p>The neuroscience sequence is foundational in nature and stresses the organizational principles and structure/function relationships in the central nervous system. The course emphasizes the relationship between the gross organization of the Central Nervous System (CNS), its subdivision into specialized regions and the corresponding perceptions of sensory information and the nervous system control of behavior. The cell biology of the neuron, neurotransmitter systems and neuronal injury and repair are also emphasized.</p> <p>Self Paced OCW over het centraal zenuwstelsel. De structuur, anatomie en functie van elk deel wordt los besproken in een lecture.</p>				

Institute	University of Michigan Medical School	Duration		Level	Ba
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Title	M2 Neurosciences				
Keywords	neurologic lesions, neuroanatomy, neuroscience, nervous system diseases, neurophysiology				
URL	http://open.umich.edu/education/med/m2/neuro/fall2008/materials.html				
Description	<p>This course sequence teaches the pathophysiology of common diseases of the nervous system (including visual, auditory, and vestibular systems), and the general principles underlying diagnosis and management. The specific goals are: To review clinically relevant neuroanatomy and neurophysiology. To learn a systematic approach to the localization of neurologic lesions. To learn a systematic approach for determining the likely general category of disease process responsible for a patient's symptoms and signs, based primarily on localization and time course. To learn about some common symptom complexes and diseases of the nervous system, (including visual, auditory, and vestibular systems) with respect to clinical features, pathology, pathophysiology, approach to diagnosis, and approach to management</p> <p>Self Paced OCW over de pathofysiologie van ziekten van het brein en centraal zenuwstelsel zoals aandoeningen aan het gehoor of visus.</p>				
Institute	University of Michigan Medical School	Duration		Level	Ba Ma

Title	Sensory-Neural Systems: Spatial Orientation from End Organs to Behaviour and Adaptation				
Keywords	spatial disorientation, Neurobiology, Neuroscience, spatial orientation system, sensory integration, neural processing, vestibular system, astronaut adaptation, motion sickness, balance, Bioastronautics, sensory systems, oec, ocwc, sensorimotor processing				
URL	http://ocw.mit.edu/courses/aeronautics-and-astronautics/16-430j-sensory-neural-systems-spatial-orientation-from-end-organs-to-behavior-and-adaptation-spring-2012/index.htm				
Description	<p>This course introduces sensory systems and multi-sensory fusion using the vestibular and spatial orientation systems as a model. Topics range from end organ dynamics to neural responses, to sensory integration, to behavior, and adaptation, with particular application to balance, posture and locomotion under normal gravity and space conditions. Depending upon the background and interests of the students, advanced term project topics might include motion sickness, astronaut adaptation, artificial gravity, lunar surface locomotion, vestibulo-cardiovascular responses, vestibular neural prostheses, or other topics of interest.</p> <p>Self Paced OCW over onder andere sensibiteit, zintuigen en evenwicht en hoe deze zaken zicht tot elkaar verhouden in het brein.</p>				

Institute	Massachusetts Institute of Technology	Duration		Level	Ba
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Title	Learning and Memory: Activity- Controlled Gene Expression in the nervous System				
Keywords	Cognitive Science, nervous system, Neurobiology, genes, neural circuit formation, synaptic stabilization, Neuroscience, learning, dendritic outgrowth, memory, axonal outgrowth, Genetics, synaptic transmission, neuroscience, synaptic growth, synapse formation, oec, neuronal plasticity, genetic expression, ocwc				
URL	http://ocw.mit.edu/courses/biology/7-340-learning-and-memory-activity-controlled-gene-expression-in-the-nervous-system-fall-2009/index.htm				
Description	<p>The mammalian brain easily outperforms any computer. It adapts and changes constantly. Most importantly, the brain enables us to continuously learn and remember. What are the molecular mechanisms that lead to learning and memory? What are the cellular roles that activity-regulated gene products play to implement changes in the brain? How do nerve cells, their connections (synapses), and brain circuits change over time to store information? We will discuss the molecular mechanisms of neuronal plasticity at the synaptic, cellular and circuit levels, especially synapse formation, synaptic growth and stabilization, synaptic transmission, axonal and dendritic outgrowth, and circuit formation. We will learn about the roles of some activity-regulated genes as well as the tools and techniques employed in modern neuroscience. Our goal will be to understand molecular mechanisms the brain employs to accomplish learning and memory. This course is one of many Advanced Undergraduate Seminars offered by the Biology Department at MIT. These seminars are tailored for students with an interest in using primary research literature to discuss and learn about current biological research in a highly interactive setting. Many instructors of the Advanced Undergraduate Seminars are postdoctoral scientists with a strong interest in teaching</p> <p>Self Paced OCW over leren en onthouden en hoe dit proces op celniveau verloopt in het brein.</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba Ma

Title	Neurology, Neuropsychology and Neurobiology of Aging				
Keywords	neurology, aging, psychology				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-110j-neurology-neuropsychology-and-neurobiology-of-aging-spring-2005/index.htm				
Description	<p>Lectures and discussions in this course cover the clinical, behavioral, and molecular aspects of the brain aging processes in humans. Topics include the loss of memory and other cognitive abilities in normal aging, as well as neurodegenerative conditions such as Parkinson's and Alzheimer's diseases. Discussions based on readings taken from primary literature explore the current research in this field.</p>				

	Self Paced OCW over de Neurologie, Neurobiologie en Neuropsychologie van het ouder wordende brein.				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba Ma

Title	Brain Structures and Its Origins				
Keywords	brain development, evolution,				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-14-brain-structure-and-its-origins-spring-2014/index.htm				
Description	<p>Outline of mammalian functional neuroanatomy, aided by studies of comparative neuroanatomy and evolution, and of brain development. Topics include early steps to a central nervous system, basic patterns of brain and spinal cord connections, regional development and differentiation, regeneration, motor and sensory pathways and structures, systems underlying motivations, innate action patterns, formation of habits, and various cognitive functions. Lab techniques reviewed. Optional brain dissections.</p> <p>Self Paced OCW over de origine en ontwikkeling van verschillende structuren van het brein.</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba Ma

Title	A Clinical Approach to the Human Brain				
Keywords	human brain, clinical, emotions, synapsis				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-22j-a-clinical-approach-to-the-human-brain-fall-2006/index.htm				
Description	<p>This course is designed to provide an understanding of how the human brain works in health and disease, and is intended for both the Brain and Cognitive Sciences major and the non-Brain and Cognitive Sciences major. Knowledge of how the human brain works is important for all citizens, and the lessons to be learned have enormous implications for public policy makers and educators. The course will cover the regional anatomy of the brain and provide an introduction to the cellular function of neurons, synapses and neurotransmitters. Commonly used drugs that alter brain function can be understood through a knowledge of neurotransmitters. Along similar lines, common diseases that illustrate normal brain function will be discussed. Experimental animal studies that reveal how the brain works will be reviewed. Throughout the seminar we will discuss clinical cases from Dr. Byrne's experience that illustrate brain function; in addition, articles from the scientific literature will be discussed in each class</p> <p>Self Paced OCW dat het brein vanuit de klinische kant bekijkt. Onderwerpen zijn onder andere Visus, neuroplasticiteit, emotie en geheugen.</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba Ma

Title	Parkinson's Disease Workshop
Keywords	Parkinson's disease
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-458-parkinsons-disease-workshop-summer-2006/index.htm

Description	<p>Parkinson's disease (PD) is a chronic, progressive, degenerative disease of the brain that produces movement disorders and deficits in executive functions, working memory, visuospatial functions, and internal control of attention. It is named after James Parkinson (1755-1824), the English neurologist who described the first case. This six-week summer workshop explored different aspects of PD, including clinical characteristics, structural neuroimaging, neuropathology, genetics, and cognitive function (mental status, cognitive control processes, working memory, and long-term declarative memory). The workshop did not take up the topics of motor control, nondeclarative memory, or treatment</p> <p>Self Paced OCW over de ziekte van Parkinson</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba

Title	Intensive Neuroanatomy				
Keywords	neuroanatomy				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-913-a-intensive-neuroanatomy-january-iap-2002/index.htm				
Description	<p>The course will start with an overview of the central and peripheral nervous systems (CNS and PNS), the development of their structure and major divisions. The major functional components of the CNS will then be reviewed individually. Topography, functional distribution of nerve cell bodies, ascending and descending tracts in the spinal cord. Brainstem organization and functional components, including cranial nerve nuclei, ascending / descending pathways, amine-containing cells, structure and information flow in the cerebellar and vestibular systems. Distribution of the cranial nerves, resolution of their skeletal and branchial arch components. Functional divisions of the Diencephalon and Telencephalon. The course will then continue with how these various CNS pieces and parts work together. Motor systems, motor neurons and motor units, medial and lateral pathways, cortical versus cerebellar systems and their functional integration. The sensory systems, visual, auditory and somatosensory. Olfaction will be covered in the context of the limbic system, which will also include autonomic control and the Papez circuit. To conclude, functional organization and information flow in the neocortex will be discussed</p> <p>Self Paced OCW over Neuroanatomie. Bevat ook Examens zodat studenten zichzelf kunnen toetsen</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/sessie	Level	Ba

Title	Neural Coding and Perception of Sound				
Keywords	binaural interactions, sound perception, auditory system, neural structures, auditory cortex, neural coding, object formation, oec, learning and plasticity, frequency selectivity, Sensory-Neural Systems, cochlear implants, feature detectors, Cognitive Science, Neurobiology, speech coding, Neuroscience, auditory masking, musical pitch, binaural hearing, temporal coding, auditory				

	neurons, sound localization, neural mechanisms, ocwc, acoustic signals, neural maps, cochlear nucleus, scene analysis				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-723j-neural-coding-and-perception-of-sound-spring-2005/index.htm				
Description	<p>This course focuses on neural structures and mechanisms mediating the detection, localization and recognition of sounds. Discussions cover how acoustic signals are coded by auditory neurons, the impact of these codes on behavioral performance, and the circuitry and cellular mechanisms underlying signal transformations. Topics include temporal coding, neural maps and feature detectors, learning and plasticity, and feedback control. General principles are conveyed by theme discussions of auditory masking, sound localization, musical pitch, speech coding, and cochlear implants</p> <p>Self Paced OCW over gehoor en geluid en hoe dit wordt verwerkt door ons zenuwstelsel.</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba

Title	Critical Analysis of Popular Diets and Dietary Supplements				
Keywords	metabolism, diet, supplements				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/CriticalAnalysisPopularDietsSupplements/coursePage/index/				
Description	<p>Provides the knowledge one needs to critically appraise a weight control diet or dietary supplement and choose the best plan for success.</p> <p>Self Paced OCW over voedsel, metabolisme, spijsvertering, diëten en diëetsupplementen.</p>				
Institute	Johns Hopkins Medical School	Duration		Level	Ba

Title	Human Nutrition				
Keywords	human nutrition, fatty acids, lipids, amino acids, carbohydrates				
URL	http://ocw.jhsph.edu/courses/HumanNutrition/lectureNotes.cfm				
Description	<p>This free, online course/textbook offers the following topics: Defining nutritional needs of individuals and groups Major nutrient groups –Macronutrients (protein, energy, fat) –Micronutrients (vitamins, minerals) Diet and disease—obesity, chronic diseases, undernutrition Nutrition during the life cycle—pregnancy, newborn, child, adolescent</p> <p>Dit Self Paced OCW legt in een aantal lectures alles over voeding uit die wij als mensen nodig hebben.</p>				
Institute	Johns Hopkins Medical School	Duration		Level	Ba

Title	International Nutrition				
Keywords	nutrition, malnutrition, deficiency				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/InternationalNutrition/coursePage/lectureNotes/				
Description	<p>This course presents major nutritional problems that influence the health, survival, and developmental capacity of populations in developing societies. Covers approaches implemented at the household, community, national, and international levels to improve nutritional status. Explores the degree to which malnutrition can be prevented or reduced prior to achieving full economic development through targeted public and private sector interventions that address the causes of malnutrition. Included are a syllabus, lectures, readings, assignments and other resources</p> <p>Self Paced OCW dat vooral gaat over ondervoeding en tekorten van verschillende vitamines.</p>				
Institute	Johns Hopkins Medical School	Duration		Level	Ba Ma

Title	Principles of Human Nutrition				
Keywords	nutrition, malnutrition, nutrients				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/HumanNutrition/coursePage/lectureNotes/				
Description	<p>"Principles of Human Nutrition provides an integrated overview of the physiological requirements and functions of protein, energy, and the major vitamins and minerals that are determinants of health and diseases in human populations. This site includes a syllabus, lecture notes, and readings.</p> <p>Self Paced OCW over Voeding. Onderwerpen zijn onder andere: Macronutriënten, micronutriënten en ondervoeding</p>				
Institute	Johns Hopkins Medical School	Duration		Level	Ba

Title	Obesity Economics				
Keywords	OCWC, Health Policy, Nutrition, OEC				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/obesityecon/coursePage/index/				
Description	<p>This course introduces students to the economic approach to evaluating obesity. It focuses on attributable health care expenditures, quality adjusted life years, productivity changes, consumer sovereignty, and the incentives and regulations that can be used to change individual adult, parent, and child behavior.</p> <p>Self Paced OCW over de economische gevolgen van Obesitas. Denk hierbij aan extra ziekteverzuim, extra zorgkosten en minder kwaliteit van leven.</p>				
Institute	Johns Hopkins Medical School	Duration		Level	Ba

Title	M2 Reproduction				
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Keywords	human reproduction, human sexuality, infertility, fertility control, breast function, fertility, parturition, reproduction, management of infertility, abnormal sexual function, breast disease				
URL	http://open.umich.edu/education/med/m2/repro/2010/materials.html				
Description	<p>This sequence provides a comprehensive physiologic and pathologic overview of male and female reproduction, including normal human sexuality, normal human reproduction, abnormalities of sexual function, evaluation and management of infertility, parturition, and fertility control. Breast function and breast disease are also addressed.</p> <p>Self Paced OCW dat vooral gaat over problemen bij voortplanting in haar breedste vorm. Zo vallen borstkanker en testiskanker ook in deze cursus.</p>				
Institute	University of Michigan Medical School	Duration		Level	Ba

Title	Clinical Examinations in Gyneacology				
Keywords	africaoer, abdomen, healthoer, medical students, clinical examinations in gynaecology				
URL	http://open.umich.edu/education/med/oernetwork/med/ob-gyn/clinical-exam.html				
Description	<p>This multimedia-based module is part of a series designed for medical students to assist in preparation for clinical examinations in gynaecology. This module explores how to examine the abdomen.</p> <p>Self Paced OCW over Klinisch onderzoek in de gynaecologie. Bevat onderdelen over de anamnese, lichamelijk onderzoek, onderzoek van het abdomen en van het bekken.</p>				
Institute	University of michigan Medical School	Duration		Level	Ba

Title	20.380J Biological Engineering Design				
Keywords	inflammation, Pathology and Pathophysiology, biomedical startup, Biological Engineering, diabetes, obesity, biomedical engineering, Public Health, cardiovascular disease, oec, Biomedical Enterprise, biomedical entrepreneurship, ocwc, cancer				
URL	http://ocw.mit.edu/courses/biological-engineering/20-380j-biological-engineering-design-spring-2010/other/				
Description	<p>This course illustrates how knowledge and principles of biology, biochemistry, and engineering are integrated to create new products for societal benefit. It uses a case study format to examine recently developed products of pharmaceutical and biotechnology industries: how a product evolves from initial idea, through patents, testing, evaluation, production, and marketing. Emphasizes scientific and engineering principles; the responsibility scientists, engineers, and business executives have for the consequences of their technology; and instruction and practice in written and oral communication. The topic focus of this class will vary</p>				

	from year to year. This version looks at inflammation underlying many diseases, specifically its role in cancer, diabetes, and cardiovascular disease.				
	Self Paced OCW over Inflammatie				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba

Title	Powerhouse Rules: The Role of Mitochondria in Human Diseases				
Keywords	human disease, Pathology and Pathophysiology, Parkinson's disease, Alzheimer's disease, Reactive Oxygen Species (ROS), ATP, mitochondrial DNA polymerase, Ogg1, mtDNA, oxidative stress, Cell Biology, Mitochondrial DNA depletion syndromes, mitochondria, 8-oxoG, Molecular Biology, Oxoguanine glycosylase, Y955C, oec, ocwc, 8-oxoguanine, mitochondrial genome, mitochondrial dysfunction, oxidative phosphorylation				
URL	http://ocw.mit.edu/courses/biology/7-342-powerhouse-rules-the-role-of-mitochondria-in-human-diseases-spring-2011/index.htm				
Description	<p>The primary role of mitochondria is to produce 90% of a cell's energy in the form of ATP through a process called oxidative phosphorylation. A variety of clinical disorders have been shown to include "mitochondrial dysfunction," which loosely refers to defective oxidative phosphorylation and usually coincides with the occurrence of excess Reactive Oxygen Species (ROS) production, placing cells under oxidative stress. A known cause and effect of oxidative stress is damage to and mutation of mitochondrial DNA. We will use this class to explore issues relating to mitochondrial DNA integrity and how it can be damaged, repaired, mutated, and compromised in human diseases. This course is one of many Advanced Undergraduate Seminars offered by the Biology Department at MIT. These seminars are tailored for students with an interest in using primary research literature to discuss and learn about current biological research in a highly interactive setting. Many instructors of the Advanced Undergraduate Seminars are postdoctoral scientists with a strong interest in teaching</p> <p>Self paced OCW over de Mitochondrieën en welke rol ze spelen bij bepaalde ziekten</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba Ma

Title	The Biology of Aging: Age-Related Diseases and Interventions				
Keywords	calorie restriction, Aging, Alzheimer's disease, Sirtuins, molecular biology of aging, Caloric restriction (CR), oec, yeast, target of rapamycin (TOR), oxidative damage, telomerase, National Institute on Aging Interventions Testing Program, Pathology and Pathophysiology, C. elegans, age-related diseases, Cellular senescence, mitochondrial DNA, Cell Biology, Reactive oxygen species (ROS), Molecular Biology, progeroid syndromes, SIR4, resveratrol, ocwc, rapamycin, Drosophila				
URL	http://ocw.mit.edu/courses/biology/7-342-the-biology-of-aging-age-related-diseases-and-interventions-fall-2011/				
Description	Aging involves an intrinsic and progressive decline in function that eventually will affect us all. While everyone is familiar with aging, many basic questions about				

	<p>aging are mysterious. Why are older people more likely to experience diseases like cancer, stroke, and neurodegenerative disorders? What changes happen at the molecular and cellular levels to cause the changes that we associate with old age? Is aging itself a disease, and can we successfully intervene in the aging process? This course is one of many Advanced Undergraduate Seminars offered by the Biology Department at MIT. These seminars are tailored for students with an interest in using primary research literature to discuss and learn about current biological research in a highly interactive setting. Many instructors of the Advanced Undergraduate Seminars are postdoctoral scientists with a strong interest in teaching</p> <p>Self Paced OCW dat vooral ingaat op ziekten en behandelingen die op hoge leeftijd voorkomen.</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba Ma

Title	Clinical Management of Skeletal Integrity in Cancer: The Role of the Oncology Nurse in Optimizing Patient Outcomes				
Keywords	bone complications, breast cancer, multiple myeloma, prostate cancer identification, learning activities, modules, prostate cancer, nursing				
URL	http://www.clinicaloptions.com/Oncology/Treatment%20Updates/Nursing%20Think%20Tank.aspx				
Description	<p>Because nurses are on the front line of prostate cancer treatment and are an advocate for the patient, they need to be knowledgeable about both the basics of the standards of care and new data that could improve outcomes, including bone health. Following a Bone Health Think Tank focused on the needs of nurses involved in the treatment of prostate cancer, Dawn Camp-Sorrell, MSN, FNP, AOCN, explores this subject in detail. An overview of the etiology and treatment of prostate cancer is provided, followed by a discussion of issues involving assessment of bone health, prostate specific antigen screening, treatment-related bone loss, skeletal-related events, nonpharmacologic strategies, the optimal use of bone-targeted agents, and communication with patients. The bottom line is that improving bone health improves the overall quality of the patient's life, regardless of whether they have prostate cancer or another tumor type.</p> <p>Site met een drietal cursussen die je uitleggen wat de verschillende complicaties van op het skelet kan zijn bij verschillende soorten kanker en de behandeling daarvan.</p>				
Institute	Clinical Care Options	Duration	3 x 1	Level	Ba

Title	Fundamentals of Oncology for Public Health Practitioners				
Keywords	Public Health, Oncology				
URL	http://www.clinicaloptions.com/Oncology/Treatment%20Updates/Nursing%20Think%20Tank.aspx				
Description	<p>This site includes lectures by current practitioners of cancer prevention control in clinical oncology cover the diagnosis, treatment, and prevention/screening measures used for cancers such as lung, breast, prostate, colon/rectal, etc. Course Learning Objectives After completing this course, students should be able to: 1. Describe the</p>				

	<p>manner of disease presentation, and treatment approaches for major cancers. 2. Explain the major differences in prevention studies as compared to treatment studies. 3. Define controversies in treatment, screening, and risk assessment. 4. Assess whether science is making progress against cancer.</p> <p>OCW die de basis van de oncologie van uit het perspectief van public Health bespreekt. Denk hierbij aan epidemiologie, preventie, risk assessment en symptomatologie</p>				
Institute	John Hopkins Bloomberg school of Public Health	Duration		Level	Ba

Title	Cardiovascular / Respiratory				
Keywords	medicine, OER, cardiovascular, respiratory				
URL	http://open.umich.edu/education/med/m1/cardioresp/fall2008/materials.html				
Description	<p>The major objective of this sequence is for the students to gain an understanding of the structure and function of the cardiovascular and respiratory systems through lectures, laboratory exercises, patient presentation and small group conferences.</p> <p>OCW die de basis van het respiratoire en cardiovasculaire systeem bespreekt. Bestaat uit een legio van PDF's met daarin alle informatie. Bevat ook een schema waarin wordt aangegeven in welk tempo de opdrachten gemaakt dienen te worden</p>				
Institute	University of Michigan Medical School	Duration	4	Level	Ba

Title	Cardiovascular				
Keywords	heart disease, peripheral vasculature, cardiac electrophysiology, EKG, cardiac valves, stroke, pericardium, OER, cardiac muscle, cardiovascular disease, arrhythmias, coronary, circulatory system, cardiovascular, medicine, arteries				
URL	http://open.umich.edu/education/med/m2/cardio/materials.html				
Description	<p>This sequence provides a comprehensive introduction to diseases of the cardiovascular system, how they present, how they are diagnosed, how they are prevented, and how they are treated. Students learn to identify the integral links between anatomy, physiology, pathology, and basic sciences with clinical medicine and other essential aspects of patient care for ambulatory and hospitalized patients who have cardiovascular disorders.</p> <p>OCW die met name de aandoeningen bespreekt die er in het cardiovasculaire systeem kunnen zijn. Bevat PDF's en PowerPoints over aandoeningen zoals hypertensie, hartinfarcten en pijn op de borst</p>				
Institute	University of Michigan Medical School	Duration	4	Level	Ba

Title	Understanding Cardiovascular Diseases				
Keywords	Cardiovascular Disease				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/understanding-cardiovascular-diseases/content-section-11				
Description	<p>This free online textbook/course was designed to help students understand cardiovascular disease. It "provides an introductory overview of some of the diseases of the heart and circulation (the cardiovascular system) and their medical management. This should help you get used to medical terminology and provide an introduction to the anatomy and physiology of the cardiovascular system</p> <p>OCW die cardiovasculaire aandoeningen bespreekt. Zeer uitgebreid, bevat allerlei soorten aandoeningen en biedt de mogelijkheid om jezelf te overhoren. Ook is er een bijpassend ebook beschikbaar waar veel van de belangrijke informatie in valt te vinden. Ook is het mogelijk om een certificaat te printen als bewijs dat je deze cursus hebt voltooid</p>				
Institute	The open university	Duration	15	Level	Ba Ma

Title	Rash, Rashes, and the art of skin diagnosis				
Keywords	Dermatology, Dermatology Education, Diagnosis, Rash				
URL	http://www.skindsight.com/info/for_professionals/rash-rashes-and-art-skin-diagnosis-part-1				
Description	"Rash, Rashes and The Art of Skin Diagnosis", is a freely available self-paced medical student and resident tutorial covering the fundamentals of dermatology.				
Institute	University of Rochester school of medicine	Duration	2	Level	Ba Ma

Title	Endocrine & Reproduction				
Keywords	reproductive physiology, human reproduction, OER, reproductive anatomy, infertility, endocrine physiology, endocrine system, reproductive system, endocrine, endocrinology, hormones				
URL	http://open.umich.edu/education/med/m1/endo-repro/winter2008/materials.html				
Description	<p>Endocrine & Reproductive is an open course provided by Open Michigan. Scroll down on the website to view the learning resource for Histology of the Endocrine System. This sequence provides the information and opportunities necessary for students to acquire integrated knowledge of the structure and function of the endocrine and reproductive systems in humans. Although all of the biological systems are clearly interrelated, the endocrine and reproductive systems are intimately linked. Much of what you learn about hormonal control and steroid biochemistry of the endocrine system will be referred to and used in teaching reproductive physiology.</p> <p>OCW van Open Michigan dat ingaat op de basis van endocrinologie en voortplanting en wat die twee met elkaar te maken hebben.</p>				

Institute	University of Michigan Medical School	Duration	5	Level	Ba
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Title	Endocrine				
Keywords	Endocrine, thyroid, adrenal				
URL	http://open.umich.edu/education/med/m2/endocrine/winter2008.html				
Description	<p>The Endocrine Sequence teaches the basic principles of hormone secretion and action and the clinical disorders which result from abnormalities of hormonal activities. Students are expected to be familiar with the functions of the endocrine glands, the structure, secretion and action of the important hormones, and the major clinical endocrine disorders. Emphasis will be placed on understanding pathophysiology and being able to use general principles in endocrine physiology (e.g. negative feedback) or in the management of endocrine disorders (e.g., insulin management) in consideration of specific circumstances and clinical cases</p> <p>OCW van Open michigan dat ingaat op de endocrinologie. Bevat lectures over diabetes, obesitas, schildklierandoeningen en bijnierproblemen.</p>				
Institute	University of Michigan Medical School	Duration	5	Level	Ba

Title	ActivEpi Web				
Keywords	Epidemiology, OCW				
URL	http://activepi.herokuapp.com/				
Description	<p>ActivEpi Web, a multimedia electronic textbook that provides an interactive resource to learn the fundamentals of epidemiology, is now available on-line at no cost.</p> <p>Zeer grote en uitgebreide OCW over Epidemiologie. Zeer uitgebreid met video's en duidelijke teksten.</p>				
Institute	Emory University, Atlanta, Georgia	Duration	4	Level	Ba Ma

Title	Fundamentals of Epidemiology				
Keywords	Epidemiology, Fundamentals				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/FundEpi/coursePage/lectureNotes/				
Description	<p>Fundamentals of Epidemiology I is the first half of a course that introduces the basic concepts of epidemiology and biostatistics as applied to public health problems.</p> <p>OCW over de basisbeginselen van Epidemiologie.</p>				
Institute	JHSPH Open	Duration		Level	Ba

Title	Malariology				
Keywords	Malaria				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/Malariology/coursePage/index/				
Description	<p>This course presents issues related to malaria as a major public health problem. Emphasizes the biology of malaria parasites and factors affecting their transmission to humans by anopheline vectors. Topics include host-parasite-vector relationships; diagnostics; parasite biology; vector biology; epidemiology; host immunity; risk factors associated with infection, human behavior, chemotherapy, and drug resistances; anti-vector measures; vaccine development; and management and policy issues. Included are a syllabus, lectures, readings, assignments and other resources</p> <p>OCW over Malaria. Bevat informatie over epidemiologie, besmettingswijze en nog veel meer.</p>				
Institute	Johns Hopkins Medical School	Duration		Level	Ba

Title	Biological Agents of Water and Foodborne Bioterrorism				
Keywords	Biological Agents, Bioterrorism, Infectious				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/BiologicalAgentsOfWaterAndFoodborneBioterrorism/coursePage/index/				
Description	<p>Examines the various biological agents that terrorists could use against food or water supplies.</p> <p>OCW die micro-organismen bespreekt die besmettelijke ziekten kunnen doorgeven via voedsel en water.</p>				
Institute	Johns Hopkins Medical School	Duration		Level	Ba

Title	Epidemiology of infectious Diseases				
Keywords	Infectious Diseases, Epidemiology				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/EpiInfectiousDisease/coursePage/lectureNotes/				
Description	<p>Introduces the basic methods for infectious disease epidemiology and case studies of important disease syndromes and entities. Methods include definitions and nomenclature, outbreak investigations, disease surveillance, case-control studies, cohort studies, laboratory diagnosis, molecular epidemiology, dynamics of transmission, and assessment of vaccine field effectiveness. Case-studies focus on acute respiratory infections, diarrheal diseases, hepatitis, HIV, tuberculosis, sexually transmitted diseases, malaria, and other vector-borne diseases. Course Objectives After taking the course in Infectious Diseases Epidemiology students will be able to describe and understand the main Epidemiological characteristics of the Major infectious diseases of Humans. The students will be able to describe how these Epidemiological characteristics can be utilized to develop and evaluate strategies to</p>				

	<p>prevent epidemics or endemic transmission of the major infections of humans. The students will be able to develop criteria to be used in the investigation of a new Emerging or Re-emerging Infectious disease to understand the critical Epidemiologic features of this disease that could be used to develop prevention and control programs. Epidemiological characteristics such as Incubation period, Infectious period, means of transmission and reservoir of these infectious diseases will be evaluated</p> <p>OCW offers a snapshot of the educational content offered by JHSPH. OCW materials are not for credit towards any degrees or certificates offered by the Johns Hopkins Bloomberg School of Public Health. Included here are a syllabus, lectures, readings, and assignments</p> <p>OCW dat in de basis de epidemiologie van Infectieziekten bespreekt. Bestaat uit uitleg over zeer veel verschillende ziekten</p>				
Institute	Johns Hopkins Medical School	Duration	20 x 2 uur	Level	Ba

Title	Epidemics in Western Society Since 1600				
Keywords	ocwc, oec, videolectures, epidemics, infectious diseases				
URL	http://videolectures.net/yalehist234s2010_epidemics/				
Description	<p>This course consists of an international analysis of the impact of epidemic diseases on western society and culture from the bubonic plague to HIV/AIDS and the recent experience of SARS and swine flu. Leading themes include: infectious disease and its impact on society; the development of public health measures; the role of medical ethics; the genre of plague literature; the social reactions of mass hysteria and violence; the rise of the germ theory of disease; the development of tropical medicine; a comparison of the social, cultural, and historical impact of major infectious diseases; and the issue of emerging and re-emerging diseases.</p> <p>OCW bestaande uit 26 video's die allemaal een epidemie bespreken uit de laatste 400 jaar westerse beschaving. Zeer uitgebreid en gedetailleerd.</p>				
Institute	Yale University	Duration	45 minuten per video/ 26 video's	Level	Ba Ma

Title	Chemistry of Sports				
Keywords	sports, exercise, Health and Exercise Science, anatomy and physiology, running, swimming, bicycle, Physical Education and Recreation, nutrition, chemistry, triathlon, oec, Anatomy and Physiology, ocwc				
URL	http://ocw.mit.edu/courses/experimental-study-group/es-010-chemistry-of-sports-spring-2013/calendar/				
Description	<p>The seminar is designed to look at the science triathlons and sports from a molecular/chemical biological point of view. We will be able to use our own bodies to see how exercise affects the system, through observations written in a training journal. We will also improve the overall fitness of the class through maintaining a physical fitness program over the course of the term. The end of the term will have us all participate in a mini-triathlon.</p>				

	OCW dat vooral ingaat op sport en wat dat met het lichaam doet. Op macro en microniveau				
Institute	Massachusetts Institute of Technology	Duration	2	Level	Ba

Title	Gastrointestinal & Liver				
Keywords	gastrointestinal physiology, liver, OER, medicine, GI tract, gastrointestinal, digestive system, digestion				
URL	http://open.umich.edu/education/med/m1/gi-liver/winter2009.html				
Description	<p>The major objective of this sequence is to present the structure and function of the digestive system. The sequence will cover three topic areas related to digestion: 1) the actual process of digestive function and its regulations, 2) metabolic interactions, and 3) pharmacology and pharmacokinetics of drug absorption and metabolism.</p> <p>OCW van Open Michigan die het maag-, darm-, leverstelsel bespreekt. Bespreekt onder andere de anatomie, het proces van vertering, metabole interacties en het ingrijpen van medicatie</p>				
Institute	University of Michigan Medical School	Duration		Level	Ba

Title	M2 Gastrointestinal Diseases				
Keywords	liver, OER, medicine, GI tract, gastrointestinal, gastrointestinal diseases, digestive system, digestio				
URL	http://open.umich.edu/education/med/m2/gastro/winter2012/materials.html				
Description	<p>The M2 Gastrointestinal Diseases sequence is a 2 1/2 week block of lectures, laboratory exercises, case presentations and a Multidisciplinary Conference that are designed to introduce students to the scientific foundations of diseases that affect the gastrointestinal tract</p> <p>OCW van Open Michigan die voortborduurde op de bovenstaande OCW. In deze worden vooral aandoeningen van het gastrointestinale stelsel besproken. Denk hierbij aan malabsorptie en hepatitis.</p>				
Institute	University of Michigan Medical School	Duration	45 min per lecture	Level	Ba Ma

Title	Elbow Examination				
Keywords	multilingual, translation, captions, family medicine, elbow examination, videos				
URL	http://open.umich.edu/education/med/familymed/musculoskeletalexaminations/elbow-examination/2013/materials.html				
Description	<p>The purpose of this unit is to offer a web-based, readily-accessible learning tool for learners to study and improve musculoskeletal exam skills for the elbow. Components of the unit include:- A video showing the complete elbow exam- Lists of common</p>				

	causes of elbow pain- A brief synopsis for each diagnosis of elbow pain- A quick reference guide to specific exam maneuvers- Photos and drawings to assist with visualization of elbow anatomy- Review of documentation of an elbow exam- Links OCW met daarin video's en teksten over het lichamenlijk onderzoek van de elleboog.				
Institute	University of Michigan Medical School	Duration	4	Level	Ba

Title	Diversity and Difference in Communication				
Keywords	Communication				
URL	http://www.open.edu/openlearn/health-sports-psychology/social-care/social-work/diversity-and-difference-communication/content-section-0				
Description	<p>Interpersonal communication in health and social care services is by its nature diverse. As a consequence, achieving good or effective communication – whether between service providers and service users, or among those working in a service – means taking account of diversity, rather than assuming that every interaction will be the same. This unit explores the ways in which difference and diversity impact on the nature of communication in health and social care services."</p> <p>Deze open course ware gaat over verschillen in communicatie tussen bijvoorbeeld mannen en vrouwen, verschillende etniciteiten en verschillende leeftijden.</p>				
Institute	The Open University	Duration		Level	Ba

Title	M1 Growth and Development				
Keywords	medications, development, impaired, menopause, exercise, developmental stages, puberty, homeostatis, stages of development, normal growth, Open Educational Resource, nutrition, longevity, medicine, growth				
URL	http://open.umich.edu/education/med/m1/humangrowth/winter2009/materials.html				
Description	<p>This course addresses essential learning outcomes in normal growth, development and nutrition across the lifespan, inclusive of aging. Its focus is on normal function rather than disease, and is intended to achieve the following primary objectives.</p> <p>Self Paced Open Courseware over groei en ontwikkeling van de mens.</p>				
Institute	University of Michigan Medical School	Duration		Level	Ba

Title	Clinical Examinations in Paediatrics				
Keywords	africaer, child abdomen, healthoer, Clinical Examinations in Paediatrics				
URL	http://open.umich.edu/education/med/oernetwork/med/paediatrics/clinical-exam.html				

Description	<p>This series was designed for medical students at University of Ghana to assist in preparation for clinical examinations in paediatrics. It contains nearly 3 hours of video and 38 multiple choice questions.</p> <p>Self Paced Open Courseware met hierin zeer veel video's en uitleg over lichamelijk onderzoek in de kindergeneeskunde.</p>				
Institute	University of Michigan Medical School	Duration	4	Level	Ba Ma

Title	Neuropharmacology				
Keywords	neuropharmacology				
URL	http://ocw.mit.edu/courses/brain-and-cognitive-sciences/9-98-neuropharmacology-january-iap-2009/index.htm				
Description	<p>The neuropharmacology course will discuss the drug-induced changes in functioning of the nervous system. The specific focus of this course will be to provide a description of the cellular and molecular actions of drugs on synaptic transmission. This course will also refer to specific diseases of the nervous system and their treatment in addition to giving an overview of the techniques used for the study of neuropharmacology. This course is offered during the Independent Activities Period (IAP), which is a special 4-week term at MIT that runs from the first week of January until the end of the month.</p> <p>Self Paced Open Courseware over Neurofarmacologie</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba

Title	Drugs and the Brain				
Keywords	Pharmacology and Toxicology, drug mechanisms, Biochemistry, schizophrenia, neurotransmitters, drugs, Neurobiology, brain disease, oec, addiction, ocwc, brain, pharmacology				
URL	http://ocw.mit.edu/courses/experimental-study-group/es-s10-drugs-and-the-brain-spring-2013/index.htm				
Description	<p>This class is a multidisciplinary introduction to pharmacology, neurotransmitters, drug mechanisms, and brain diseases from addiction to schizophrenia. From Abilify® to Zyrtec®, the world is full of fascinating drugs. If you are poisoned by sarin nerve gas, you may be able to save your life by huffing some BZ nerve gas. This class will explain that chemical curiosity, along with a host of other interesting tidbits of pharmacology. The structure of the class interleaves basic concepts with specific examples and entertaining tangents, so it is not loaded with boring abstract theory. In the first class you will learn what a neurotransmitter is, and you will immediately apply that knowledge when we discuss the mechanism of caffeine. The class is highly multidisciplinary, including topics such as patent law, medical ethics, history, and the physics of crack pipes.</p> <p>Self Paced Open Courseware over het gebruik van drugs en de effecten die dit in en op de hersenen heeft.</p>				

Institute	Massachusetts Institute of Technology	Duration		Level	Ba Ma
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Title	Principles of Pharmacology				
Keywords	pharmacology, toxicology, kinetics, dynamics				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-151-principles-of-pharmacology-spring-2005/index.htm				
Description	<p>The object of the course is to teach students an approach to the study of pharmacologic agents. It is not intended to be a review of the pharmacopoeia. The focus is on the basic principles of biophysics, biochemistry and physiology, as related to the mechanisms of drug action, biodistribution and metabolism. The course consists of lectures and student-led case discussions. Topics covered include: mechanisms of drug action, dose-response relations, pharmacokinetics, drug delivery systems, drug metabolism, toxicity of pharmacological agents, drug interaction and substance abuse. Selected agents and classes of agents are examined in detail. Lecturers Prof. Keith Baker Dr. Mark Dershwitz Harold Demonaco Dr. Daniel Kohane Dr. Donald Kufe Prof. Robert Langer Dr. Robert Lees Dr. Robert Rubin Dr. Jeremy Ruskin Prof. Thomas Spitzer Prof. Carol Walsh Dr. Michael Weinblatt Dr. Warren Zapol</p> <p>Self Paced Open Courseware over de basis van Farmacologie</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba

Title	Principles and Practice of Drug Development				
Keywords	practice and principles of drug development				
URL	http://ocw.mit.edu/courses/sloan-school-of-management/15-136j-principles-and-practice-of-drug-development-fall-2013/index.htm				
Description	<p>This course serves as a description and critical assessment of the major issues and stages of developing a pharmaceutical or biopharmaceutical. Topics covered include drug discovery, preclinical development, clinical investigation, manufacturing and regulatory issues considered for small and large molecules, and economic and financial considerations of the drug development process. A multidisciplinary perspective is provided by the faculty, who represent clinical, life, and management sciences. Various industry guests also participate.</p> <p>Self Paced Open Courseware over de basis van het ontwikkelen van medicatie.</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba Ma

Title	Principles of Drug Development				
Keywords	drug developmen				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/DrugDevelopment/coursePage/index/				

Description	Presents principles underlying preclinical and clinical development of new therapeutic drugs and procedures. Self Paced Open Courseware over het ontwikkelen van nieuwe medicatie.				
Institute	Johns Hopkins Medical School	Duration		Level	Ba Ma

Title	M2 Psychiatry				
Keywords	psychiatry, psychiatric disorders, neurobiology, clinical psychiatry				
URL	http://open.umich.edu/education/med/m2/psych/fall2008/sessions.html				
Description	This sequence introduces students to clinical psychiatry. The sequence focuses on the clinical diagnosis and treatment of psychiatric disorders, with those elements of neurobiology, behavioral science, and pharmacology that are essential to the understanding of these disorders Self Paced Open Course Ware dat een introductie geeft in de psychiatrie. Bestaat uit verschillende lectures over uiteenlopende onderwerpen op dit gebied.				
Institute	University of Michigan Medical School	Duration		Level	Ba Ma

Title	Issues in Mental Health Research in Developing Countries				
Keywords	Global Health, OCWC, Mental Health, OEC				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/MHDevCo/coursePage/index/				
Description	Introduces mental health as an integral part of global health research, including conducting needs assessments and intervention monitoring and evaluation. Presents and critiques strategies for integrating local cultural perspectives into research models. Examines methods of adapting psychiatric assessment tools for use cross-culturally and presents challenges for developing interventions for use in low-resource contexts. Encourages use of critical and creative thinking skills throughout to discuss the issues involved in this relatively new area of study. Self Paced Open Courseware dat vooral gaat over mentale gezondheid in ontwikkelingslanden en de verschillende problemen die daarbij komen kijken.				
Institute	Johns Hopkins Medical School	Duration		Level	Ba Ma

Title	Psychiatric Epidemiology				
Keywords	psychiatry, epidemiology				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/PsychiatricEpidemiology/coursePage/index/				
Description	Psychiatric Epidemiology reviews descriptive and analytic epidemiology for major mental disorders of childhood, adulthood, and late adult life.				

	Self Paced Open Courseware over de Epidemiologische kant van mentale problemen.				
Institute	Johns Hopkins Medical School	Duration		Level	Ba Ma

Title	M2 Respiratory				
Keywords	respiratory, lung cancer, lung disease, emphysema, asthma, ARDS, respiratory diseases, pneumonia, newborn				
URL	http://open.umich.edu/education/med/m2/resp/fall2008/materials.html				
Description	<p>The purpose of this sequence is to teach the aspects of basic science related to the respiratory system, building on the anatomy, physiology, and biochemistry taught in year 1. Clinical examples of applied basic science are based on common lung diseases including: pneumonia, emphysema, asthma, cancer, trauma, ARDS, and respiratory diseases of the newborn</p> <p>Self Paced Open Courseware dat vooral gaat over aandoeningen van de longen. Bevat een groot aantal lecutres over bijvoorbeeld longcarcinomen, sepsis en gaswisselingsstoornissen.</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba

Title	Chemistry of Sports				
Keywords	sports, muscles, nutrition, chemistry				
URL	http://ocw.mit.edu/courses/experimental-study-group/es-010-chemistry-of-sports-spring-2013/index.htm				
Description	<p>This seminar will focus on three sports: swimming, cycling and running. There will be two components to the seminar: classroom sessions and a "laboratory" in the form of a structured training program. The classroom component will introduce the students to the chemistry of their own biological system. With swimming, running and cycling as sample sports, students are encouraged to apply their knowledge to complete a triathlon shortly after the term.</p> <p>Free open Courseware die vooral ingaat op de chemische processen in het lichaam voor, tijdens en na sport.</p>				
Institute	Massachusetts Institute of Technology	Duration		Level	Ba Ma

Title	Clinical Examinations in Surgery				
Keywords	africaoer, History in Surgery, healthoer, Physical Examination				
URL	http://open.umich.edu/education/med/oernetwork/med/surgery.html				
Description	<p>This multimedia-based module is part of a series designed for medical students to assist in preparation for clinical examinations in surgery. This module, the first of seven in the series, explores the basic guidelines for surgery and the components history taking</p>				

	Self Paced Open Courseware dat vooral ingaat op de voorbereiding van verschillende chirurgische ingrepen.				
Institute	University of Ghana	Duration		Level	Ba Ma

Title	Gender, Health, and Society				
Keywords	gender, health, society, epidemiology, cancer, mental health, global health, public health				
URL	http://ocw.mit.edu/courses/womens-and-gender-studies/wgs-151-gender-health-and-society-spring-2016/index.htm				
Description	<p>This course draws on different disciplines, conceptual frameworks, and methodological approaches to examine gender in relation to health, including public health practice, epidemiologic research, health policy, and clinical application. It discusses a variety of health-related issues that illustrate global, international, domestic, and historical perspectives, while considering other social determinants of health as well, including social class and race.</p> <p>Cursus over de verschillen in gezondheid tussen geslachten, focust op verschillende ziektebeelden</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Magnetic Resonance Analytic, Biochemical, and Imaging Techniques				
Keywords	magnetic resonance, imaging techniques, spectroscopy, medical imaging, NMR				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-584j-magnetic-resonance-analytic-biochemical-and-imaging-techniques-spring-2006/index.htm				
Description	<p>This course is an introduction to basic NMR theory. Examples of biochemical data obtained using NMR are summarized along with other related experiments. Students participate in detailed study of NMR imaging techniques, including discussions of basic cross-sectional image reconstruction, image contrast, flow and real-time imaging, and hardware design considerations. Exposure to laboratory NMR spectroscopic and imaging equipment is included.</p> <p>Gevorderde cursus over nuclear magnetic resonance technieken (NMR). Inclusief toets en antwoorden</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Ethics of Human Subject Research				
Keywords	ethics, human subject research, research ethics, informed consent, research participation, privacy, confidentiality, human rights				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/EthicsHumanSubjectResearch/coursePage/index/				
Description	The course introduces students to the ethics of human subject research. Ethical theory and principles are introduced, followed by a brief history of research ethics. Topics covered in lectures and moderated discussions include informed consent for research				

	<p>participation, role and function of institutional review boards, just selection of research subjects, ethical aspects of study design, and privacy and confidentiality. Student evaluation will be based on participation in moderated discussions, an informed consent exercise and written case analysis.</p> <p>Cursus waarin ethische dilemma's rondom wetenschappelijk onderzoek worden geanalyseerd, en wordt uitgelegd over de ethische principes en informed consent.</p>				
Institute	Johns Hopkins University	Duration		Level	Ba

Title	Qualitative Data Analysis				
Keywords	qualitative data analysis, public health research, interpretive analytic approaches, coding textual data, data management, case study approaches, ethical issues, qualitative research, data collecting				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/qualitivedataanalysis/coursePage/index/				
Description	<p>This course emphasizes the analysis of ethnographic and other forms of qualitative data in public health research. We introduce various interpretive analytic approaches, explore their use, and guide students in applying them to data. We also introduce the use of computer software for coding textual data (Atlas.ti). Students analyze data they have collected as part of fieldwork projects initiated in 410.690 and write up the results in a final paper. Classroom sessions include lectures, discussions, intensive group work related to the fieldwork projects, and instruction in the computer lab.</p> <p>Cursus over de basis van kwalitatief dataonderzoek met onderbouwing. Geeft ook uitleg over het programma Atlas.ti lab</p>				
Institute	Johns Hopkins University	Duration		Level	Ba

Title	Refugee Health Care				
Keywords	refugee health care, basic health requirements, refugee populations, health needs, surveillance systems, international humanitarian law				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/RefugeeHealthCare/coursePage/syllabus/				
Description	<p>Refugee Health Care addresses the provision of basic health requirements for refugees and the coordination of care among the agencies concerned with them.</p> <p>Cursus over vluchtelingen zorg. Vooral met betrekking tot de huidige vluchtelingenproblematiek.</p>				
Institute	Johns Hopkins University	Duration		Level	Ba

Title	STI Prevention: Using Epidemiology to Inform Policy and Program				
Keywords	STI, epidemiology, public health, STD surveillance, gonorrhea, chlamydia, vaginitis, PID, syphilis, genital human papillomavirus, HIV, genital herpes, STD diagnostic tests				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/stiprevention/coursePage/index/				

Description	<p>Considers features of sexually transmitted diseases relevant to their control, reviewing the natural history of the infections and laboratory diagnoses. Emphasizes policy development and public health practice for STI control and prevention, including behavioral interventions and medical screening/treatment intervention of sexually transmitted diseases.</p> <p>Cursus met basisinformatie over verschillende seksueel overdraagbare aandoeningen, preventie hiervan en de epidemiologische achtergrond.</p>				
Institute	Johns Hopkins University	Duration		Level	Ba

Title	Exploring sport online: Athletes and efficient hearts				
Keywords	sport, athletes, heart, cardiology, blood, lungs				
URL	http://www.open.edu/openlearn/health-sports-psychology/health/sport-and-fitness/exploring-sport-online-athletes-and-efficient-hearts/content-section-0				
Description	<p>We all know that the heart is very important but what exactly does the heart do? Why is the blood so important? What functions do the lungs perform? In this free course, Exploring sport online: Athletes and efficient hearts, we will try to provide at least a basic understanding so we can answer these questions and begin to understand why knowing about the heart is important for all sports people. Before that we will take a look at the human body.</p> <p>Cursus over de basis van het hart en de circulatie, toegespitst op topsport.</p>				
Institute	The Open University	Duration	5	Level	Ba

Title	Issues in complementary and alternative medicine				
Keywords	complementary medicine, alternative medicine, therapeutic relationship, ethics				
URL	http://www.open.edu/openlearn/health-sports-psychology/health/health-studies/issues-complementary-and-alternative-medicine/content-section-0				
Description	<p>Why are so many people now turning to complementary and alternative medicine and why do approaches to complementary and alternative medicine (CAM) raise such controversy? This free course, Issues in complementary and alternative medicine, explores the following three key areas: 'Why people use complementary and alternative medicine', 'Critical issues in the therapeutic relationship' and 'Ethics in complementary and alternative medicine'.</p> <p>Korte cursus over complementaire geneeskunde en de achterliggende gedachten. Behandelt ethische vraagstukken en problemen.</p>				
Institute	The Open University	Duration	19	Level	Ba

Title	Alcohol and human health				
Keywords	alcohol, human health, transmitter, visual communication, health, physiology, toxicology, dementia				
URL	http://www.open.edu/openlearn/science-maths-technology/science/biology/alcohol-and-human-health/content-section-0				

Description	This course describes some of the effects of drinking alcohol. It looks at alcohol's journey through the body and its effect on the liver. It also discusses some possible beneficial effects. This is an important health issue and should be of wide interest.				
	Korte cursus over de korte en langetermijn effecten van alcohol op het lichaam.				
Institute	The Open University	Duration	6	Level	Ba

Title	Imaging in medicine				
Keywords	imaging, medical imaging, imaging techniques, x-ray imaging, computed tomography, magnetic resonance imaging, ultrasound, radionuclide imaging				
URL	http://www.open.edu/openlearn/science-maths-technology/science/health-sciences/imaging-medicine/content-section-0				
Description	X-rays, CT scans and MRI scans are alle medical imaging techniques of great practical importance that have been encountered by a great many people in their medical histories. This free course, Imaging in medicine, illustrates how these techniques work and their limitations and advantages.				
	Cursus die uitleg geeft over de verschillende vormen van medische beeldvorming.				
Institute	The Open University	Duration	15	Level	Ba

Title	Principles of medical imaging				
Keywords	Imaging, CT, MRI, x-ray, ultrasound				
URL	http://ocw.mit.edu/courses/nuclear-engineering/22-058-principles-of-medical-imaging-fall-2002/				
Description	An introduction to the principles of tomographic imaging and its applications. It includes a series of lectures with a parallel set of recitations that provide demonstrations of basic principles. Both ionizing and non-ionizing radiation are covered, including x-ray, PET, MRI, and ultrasound. Emphasis on the physics and engineering of image formation				
	Introductie in de principes van beeldvormende technieken, nadruk ligt op de natuurkundige principes en techniek, vandaar vrije keuze				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Noninvasive imaging in biology and medicine				
Keywords	9.713, HST.561J, 20.483J, 22.56J, optical imaging, Biomedical Signal and Image Processing, molecular imaging, PET/SPECT, 2.761, X-ray CT, neuroimaging, HST.561, 2.761J, 20.483, scanning methods, MRI, Nuclear Physics, Medical Imaging, 22.56, theory and application of noninvasive imaging methods, medicine, imaging systems, 9.713J, biology, Biomedical Instrumentation				
URL	http://ocw.mit.edu/courses/nuclear-engineering/22-56j-noninvasive-imaging-in-biology-and-medicine-fall-2005/index.htm				

Description	<p>22.56J aims to give graduate students and advanced undergraduates background in the theory and application of noninvasive imaging methods to biology and medicine, with emphasis on neuroimaging. The course focuses on the modalities most frequently used in scientific research (X-ray CT, PET/SPECT, MRI, and optical imaging), and includes discussion of molecular imaging approaches used in conjunction with these scanning methods. Lectures by the professor will be supplemented by in-class discussions of problems in research, and hands-on demonstrations of imaging systems.</p> <p>Meer gevorderde cursus in de theorie en toepassing van non-invasieve beeldvorming</p>				
Institute	Massachusetts Institute of Technology	Duration	3/week	Level	Ba

Title	Cancer biology: from basic research tot the clinic				
Keywords	Cancer, research, biology				
URL	http://ocw.mit.edu/courses/biology/7-342-cancer-biology-from-basic-research-to-the-clinic-fall-2004/				
Description	<p>This course is one of many, Advanced Undergraduate Seminars, offered by the Biology Department at MIT. These seminars are tailored for students with an interest in using primary research literature to discuss and learn about current biological research in a highly interactive setting. In 1971, President Nixon declared the "War on Cancer," but after three decades the war is still raging. How much progress have we made toward winning the war and what are we doing to improve the fight? Understanding the molecular and cellular events involved in tumor formation, progression, and metastasis is crucial to the development of innovative therapy for cancer patients. Insights into these processes have been gleaned through basic research using biochemical, molecular, and genetic analysis in yeast, C. elegans, mice, and cell culture models. We will explore the laboratory tools and techniques used to perform cancer research, major discoveries in cancer biology, and the medical implications of these breakthroughs. A focus of the class will be critical analysis of the primary literature to foster understanding of the strengths and limitations of various approaches to cancer research. Special attention will be made to the clinical implications of cancer research performed in model organisms and the prospects for ending the battle with this devastating disease.</p> <p>Cursus over kankeronderzoek, de biologie achter kanker en de implicaties voor de kliniek, nadruk ligt vooral op de biologie</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	Buruli Ulcer (Mycobacterium Ulcerans Infection)				
Keywords	africaoer, internal medicine, healthoer, mycobacterium ulcerans, buruli ulcer disease				
URL	http://www.oerafrica.org/resource/buruli-ulcer-mycobacterium-ulcerans-infection				

Description	<p>The Buruli ulcer disease is due to infection by Mycobacterium ulcerans. This programme describes the basic pathophysiology of the disease, the typical clinical presentations, and the management of cases with complicated features. The program should be informative for both medical students and practitioners who wish to increase their knowledge about this serious tropical disease.</p> <p>Korte E-learning over Buruli ulcer ziekte met tekst, filmpjes en animatie, mogelijk interessant voor vrije keuze</p>				
Institute	OER Africa	Duration		Level	Ba

Title	Genomic Medicine				
Keywords	Genetics, Medicine, technology				
URL	http://ocw.mit.edu/courses/health-sciences-and-technology/hst-512-genomic-medicine-spring-2004/				
Description	<p>This course reviews the key genomic technologies and computational approaches that are driving advances in prognostics, diagnostics, and treatment. Throughout the semester, emphasis will return to issues surrounding the context of genomics in medicine including: what does a physician need to know? what sorts of questions will s/he likely encounter from patients? how should s/he respond? Lecturers will guide the student through real world patient-doctor interactions. Outcome considerations and socioeconomic implications of personalized medicine are also discussed. The first part of the course introduces key basic concepts of molecular biology, computational biology, and genomics. Continuing in the informatics applications portion of the course, lecturers begin each lecture block with a scenario, in order to set the stage and engage the student by showing: why is this important to know? how will the information presented be brought to bear on medical practice? The final section presents the ethical, legal, and social issues surrounding genomic medicine. A vision of how genomic medicine relates to preventative care and public health is presented in a discussion forum with the students where the following questions are explored: what is your level of preparedness now? what challenges must be met by the healthcare industry to get to where it needs to be?</p> <p>Over genetisch onderzoek en de toepassing daarvan in de praktijk, nadruk ligt wel op de techniek, vandaar vrije keuze</p>				
Institute	Massachusetts Institute of Technology	Duration	3 u/week	Level	Ba

Title	Improving the health of the population and evidence based medicine				
Keywords	Screening, Obesity, Determinants of health, Public Health, multidisciplinary approach to population health, Positive predictive value of screening tests, diet and physical activity, UKOER, Inequalities in health, Evidence Based Medicine, Health of the population				
URL	http://unow.nottingham.ac.uk/resources/resource.aspx?hid=f14ed503-63ad-e229-11f7-12369406f5a8				
Description	<p>This is a module framework. It can be viewed online or downloaded as a zip file. As taught in Autumn Semester 2009 This module has two essential components: Evidence-Based Medicine and Public Health. Evidence-Based Medicine was</p>				

	<p>introduced as a new discipline because traditionally the teaching of medicine was heavily reliant on an apprenticeship-type system with emphasis on learning from observing one's teachers. One of the guiding principles in the NHS today is that all health care should be based on research evidence. One of the aims of this module is to cover core concepts in epidemiology and basic statistics so that you are able to understand the evidence presented in research papers and apply it to your clinical practice. The Public Health component of this module will provide you with insight into the factors affecting the health at a population level and how these may be addressed. It also aims to show how these factors may be distributed and how this can contribute to inequalities in health between populations. Suitable for study: Undergraduate level year 1 Dr Puja R Myles, School of Community Health Sciences - Epidemiology and Public Health Dr Puja Myles is an Associate Professor of Health Protection and Epidemiology at the University of Nottingham. She trained as a dentist at Panjab University, India and worked as a dentist in India before completing her specialist training in Public Health in the East Midlands. She completed a doctorate in Epidemiology at the University of Nottingham. She is currently part of the Health Protection Research Group at Nottingham and her research is primarily in respiratory disease epidemiology. She is also interested in evaluation methods and is currently involved in some public health service evaluations.</p> <p>Over het verbeteren van public health en het toepassen van evidence-based medicine</p>				
Institute	University of Nottingham	Duration		Level	Ba

Title	Malariology				
Keywords	Malaria, epidemiology				
URL	http://ocw.jhsph.edu/index.cfm/go/viewCourse/course/Malariology/coursePage/index/				
Description	<p>Presents issues related to malaria as a major public health problem. Emphasizes the biology of malaria parasites and factors affecting their transmission to humans by anopheline vectors. Topics include host-parasite-vector relationships; diagnostics; parasite biology; vector biology; epidemiology; host immunity; risk factors associated with infection, human behavior, chemotherapy, and drug resistances; anti-vector measures; vaccine development; and management and policy issues.</p> <p>Over malaria, de biologie, diagnose en epidemiologie, mogelijk interessant in vrije keuze</p>				
Institute	Johns Hopkins University	Duration		Level	Ba

Title	Chronic Infection and Inflammation: What are the Consequences on Your Health?				
Keywords	Chronic infection, inflammation, Hep C, Epstein-Barr, HPV				
URL	http://ocw.mit.edu/courses/biology/7-342-chronic-infection-and-inflammation-what-are-the-consequences-on-your-health-fall-2007/				
Description	<p>In this course we will explore the new emerging field of pathogen-induced chronic diseases. Work in this field has redefined the causes of some major disorders, such as ulcers. By reading the primary research literature we will learn</p>				

	<p>about the molecular mechanisms through which pathogens cause disease. The diseases that we cover will be introduced with a short patient case study. We will discuss the bacterium <i>Helicobacter pylori</i> and gastric disease, HPV and cervical cancer, hepatitis C virus and liver disease, Epstein-Barr virus and lymphoma, Cytomegalovirus and atherosclerosis, as well as diabetes and multiple sclerosis. We will study technical advances in the fight against microbes and explore future directions for new treatment strategies of chronic infections and inflammation.</p> <p>Over chronische infecties en het effect daarvan (Hep C, HPV, Epstein-Barr etc.) en de technologische voortgang in de behandeling</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	A Love-Hate Relationship: Cholesterol in Health and Disease				
Keywords	Cholesterol				
URL	http://ocw.mit.edu/courses/biology/7-343-a-love-hate-relationship-cholesterol-in-health-and-disease-fall-2005/				
Description	<p>In this class, we will examine cholesterol's role in the cell and in the body as a whole, from its function as a structural component of the membrane to its function in signaling. We will discuss mechanisms of cholesterol sensing, mechanisms of feedback regulation in cells, cholesterol in the brain, cholesterol in the circulation, 'good cholesterol' and 'bad cholesterol,' cholesterol-related human disorders, and the drugs that deal with some of these disorders.</p> <p>Diepgaande cursus over de rol van cholesterol in het lichaam en in ziekte, door de uitgebreidheid misschien beter voor vrije keuze</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	7.345 Non-coding RNAs: Junk or Critical Regulators in Health and Disease?				
Keywords	Cell Biology, piRNAs, Genetics, tumor suppressors and oncogenes, Molecular Biology, microRNAs, miRNA, oec, lincRNAs, RNAi therapeutics, Non-coding RNAs, ocwc, RNA interference				
URL	http://ocw.mit.edu/courses/biology/7-345-non-coding-rnas-junk-or-critical-regulators-in-health-and-disease-spring-2012/index.htm				
Description	<p>Every time we scientists think that we have dissected the precise biological nature of a process, an incidental finding, a brilliantly designed experiment, or an unexpected result can turn our world upside down. Until recently thought by many to be cellular "junk" because they do not encode proteins, non-coding RNAs are gaining a growing recognition for their roles in the regulation of a wide scope of processes, ranging from embryogenesis and development to cancer and degenerative disorders. The aim of this class is to introduce the diversity of the RNA world, inhabited by microRNAs, lincRNAs, piRNAs, and many others. This course is one of many Advanced Undergraduate Seminars offered by the Biology Department at MIT. These seminars are tailored for students with an interest in using primary research literature to discuss and learn about current biological research in a highly interactive setting. Many instructors of the Advanced</p>				

	Undergraduate Seminars are postdoctoral scientists with a strong interest in teaching.				
	Over de rol van RNA bij processen en ziekten, erg technisch en diepgaand				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	7.346 DNA Wars: How the Cell Strikes Back to Avoid Disease after Attacks on DNA				
Keywords	Alkylating agents, mitochondrial DNA damage, mismatch repair, Werner helicase activity, mutations, nuclear DNA damage, replication errors, direct reversal, base excision repair, DNA repair, Cell Biology, Genetics, DNA damage, Molecular Biology, epigenetics, oec, nucleotide excision repair, double strand break repair, ocwc				
URL	http://ocw.mit.edu/courses/biology/7-346-dna-wars-how-the-cell-strikes-back-to-avoid-disease-after-attacks-on-dna-fall-2013/index.htm				
Description	<p>This course will survey the primary research literature concerning fundamental DNA damage repair pathways, including mismatch repair, direct reversal, nucleotide excision repair, base excision repair, and double strand break repair. We will explore the major sources of both nuclear and mitochondrial DNA damage and how mutations that cause imbalances in repair proteins can lead to diseases, including breast, colon and brain cancers; neurological disorders like ataxia telangiectasia and Alpers' disease; and premature aging disorders like Werner's syndrome and xeroderma pigmentosum. We will discuss how an understanding of DNA repair pathways can be utilized in the prevention and management of these diseases. We will consider how different model systems (including yeast, mice, and human cells) are studied in the laboratory to answer fundamental questions concerning DNA damage and genomic instability. We will learn how to critically evaluate the primary scientific literature, with an emphasis on experimental design and the presentation and interpretation of results. Students will have the opportunity to visit a research facility and to attend research seminars, including the DNA Repair and Mutagenesis seminar series, and in this way meet local scientists in the DNA repair field.</p> <p>Over DNA schade en reparatie, erg diepgaand dus eventueel beter in de vrije keuze</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	7.346 Virus-host Interactions in Infectious Diseases				
Keywords	Virology, protein-protein interactions, antiviral proteins, virus, influenza, dengue virus, biotechnology, signaling pathways, infection, IFN production, oec, vaccine development, hCMV, host mimicry, host, Secreted IFN, host sensors, host-cell machinery, IFITM proteins, Cell Biology, Molecular Biology, filoviruses, ocwc, intra-cellular trafficking, HIV				
URL	http://ocw.mit.edu/courses/biology/7-346-virus-host-interactions-in-infectious-diseases-spring-2013/index.htm				

Description	<p>This class will discuss the varied solutions each side has developed as a means for survival. Focus will be on protein-protein interactions, host mimicry, intra-cellular trafficking, hijacking of host-cell machinery and up-regulation of multiple signaling pathways and subsequent induction of antiviral proteins. We will use examples drawn from human disease-causing pathogens that contribute seriously to the global health burden, including HIV, influenza and dengue virus. Primary research papers will be discussed to help students learn to pose scientific questions and design and conduct experiments to answer the questions and critically interpret data. We will visit a local biotechnology company to learn how the knowledge and techniques discussed in class are being applied towards vaccine development.</p> <p>Over de interacties tussen virussen en dragers, erg diepgaand</p>				
Institute	Massachusetts Institute of Technology	Duration	2 u/week	Level	Ba

Title	Contemporary Health issues				
Keywords	Public health, health issues				
URL	http://hlth21fall2012.wikispaces.com/home				
Description	<p>Student learning outcomes: 1. Assess health behavior choices, apply that information to everyday life for the improvement of individual, family, and community well-being. 2. Identify preconceived ideas about knowledge, values, and behavior that affect health and compare with established research and accepted scientific evidence.</p> <p>courseware in public health, vooral hoofdstuk 1, 2, 5, 8, 9, 10 en 11 kunnen handig zijn</p>				
Institute	Foothill College	Duration		Level	Ba