

Aalto University School of Science Courses offered in English, 2019-2020

Autumn term 2019

Orientation for new students 2.9.2019 - 6.9.2019 (no teaching)

Period I 9.9.2019 – 25.10.2019

Period II 28.10.2019 – 20.12.2019*

*all studies can be completed by 20.12.2019

Spring term 2020

Orientation for new students 2.1.2020 - 3.1.2020 (no teaching)

Period III 7.1.2020 – 21.2.2020

Period IV 24.2.2020 – 10.4.2020

Period V 13.4.2020– 29.5.2020

The link on the course code leads to the course overview and registration page on WebOodi (oodi.aalto.fi).

WebOodi is Aalto University's online platform for courses and course registrations.

You can register to courses once you have arrived, enrolled as attending and received your Aalto username and password.

The extent of the courses is given in ECTS (European Credit Transfer System) credits. One credit corresponds to a workload of 27 hours.

Full-time studies correspond to 60 ECTS credits per academic year or 30 ECTS credits per one term.

Master level students can take Bachelor level courses and Bachelor level students can take Master level courses if not otherwise indicated in WebOodi course description, and as long as the prerequisites of the course are met.

The student is responsible for checking that he or she meets the prerequisites of the courses he or she selects.

There is a limited intake to some courses (especially Industrial Engineering and Management), and degree students may be prioritized in selection.

Exchange students to Aalto University School of Science:

- 1) please select 30 ECTS credits for one academic term or 60 ECTS credits for one academic year
- 2) please select at least 2/3 of courses from one department (i.e. one study field) under the School of Science
- 3) you can select up to 1/3 courses from other technical schools, language courses, university wide studies, cross-school courses etc.

The course list is subject to changes - please check updated course information from WebOodi, which you can access by clicking the course code.

Course schedules and locations are available on WebOodi later in spring/early summer.

If you have any questions, please contact exchanges-sci@aalto.fi . You can also find course teachers' email address at WebOodi.

Department of Applied Physics						
Code	Name	Level	ECTS	Language	Period(s)	Term
AUTUMN TERM 2019						
PHYS-C6370	Fundamentals of New Energy Sources	Bachelor and Master	5	en, fi, sv	I-II	Autumn
PHYS-E0414	Advanced Quantum Mechanics	Bachelor	5	en	I-II	Autumn
PHYS-E0415	Statistical Mechanics	Master	5	en	I-II	Autumn
PHYS-E0419	Dynamics of particles, fluids and solids	Master	5	en	I-II	Autumn
PHYS-E0425	Innovation and entrepreneurial approach to materials and techn	Master	8	en	I-II	Autumn
PHYS-E0435	Optical Physics	Master	5	en	I-II	Autumn
PHYS-E0460	Introduction to Reactor Physics	Master	5	en	I-II	Autumn
PHYS-E0461	Introduction to plasma physics for fusion and space applications	Master	5	en	I-II	Autumn
PHYS-E0546	Density-Functional Theory (V)	Master	5	en	II	Autumn
PHYS-E0565	Programming course on Monte Carlo particle transport simulatio	Master	5	en	I-II	Autumn
PHYS-E0417	Experimental Methods in Physics	Master only	5	en	I-II	Autumn
PHYS-E0424	Nanophysics	Master only	5	en	I-II	Autumn
SPRING TERM 2020						
PHYS-A0130	Electromagnetism (TFM)	Bachelor	5	en	IV	Spring
PHYS-A0140	Structure of Matter (TFM)	Bachelor	5	en	V	Spring
PHYS-E0411	Advanced Physics Laboratory	Master	5	en	III-V	Spring
PHYS-E0421	Solid-State Physics	Master	5	en	IV-V	Spring
PHYS-E0422	Soft Condensed Matter Physics	Master	5	en	III-IV	Spring
PHYS-E0437	Laser Physics	Master	5	en	IV-V	Spring
PHYS-E0463	Fusion Energy Technology	Master	5	en	III-IV	Spring
PHYS-E0525	Microscopy of Nanomaterials	Master	5	en	III-IV	Spring
PHYS-E0526	Microscopy of Nanomaterials, laboratory course	Master	5	en	IV-V	Spring
PHYS-E0551	Low Temperature Physics V	Master	5-6	en	III-IV	Spring
PHYS-E0562	Nuclear Engineering, advanced course	Master	5	en	IV-V	Spring
PHYS-E0566	Advanced course in plasma physics with computational emphasis	Master	5	en	III-V	Spring
PHYS-E6570	Solar Energy Engineering	Master	5	en	III - IV	Spring
PHYS-C1380	Multi-disciplinary energy perspectives	Master and advanced BA	5	en	III-IV	Spring
PHYS-E0412	Computational Physics	Master only	5	en	III-V	Spring
PHYS-E0416	Quantum Physics	Master only	5	en	III-IV	Spring
PHYS-E0418	Advanced Statistical Physics	Master only	5	en	III-V	Spring
PHYS-E0423	Surface Physics	Master only	5	en	III- IV	Spring
PHYS-E0483	Advances in New Energy Technologies	Master and advanced BA	5	en, fi, sv	III-IV	Spring
VARIES (PLEASE CHECK FROM WEBODDI AND UPON ARRIVAL)						
PHYS-E0541	Special Course in Physics V	Master	3-10	en	Varies	Varies
PHYS-E0542	Special Course in Theoretical Physics V	Master	3-10	en	Varies	Varies
PHYS-E0545	Special Course in Computational Physics V	Master	1-10	en	Varies	Varies
PHYS-E0582	Special Course in Advanced Energy Technologies 2 V	Master	1-10	en	Varies	Varies
PHYS-E0580	Special Course in Advanced Energy Technologies V	Master	1-10	en	Varies	Varies
PHYS-E0441	Physics Special Assignment V	Master only	10	en	Varies	Varies

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Department of Computer Science

Code	Name	Level	ECTS	Language	Period(s)	Term
AUTUMN TERM 2019						
CS-A1110	Programming 1	Bachelor	5	fi, en, sv	I-II	Autumn
CS-C3100	Computer Graphics	Bachelor and Master	5	en	I-II	Autumn
CS-C3120	Human-Computer Interaction	Bachelor and Master	5	en	I-II	Autumn
CS-C3130	Information Security	Bachelor and Master	5	en	I	Autumn
CS-C3160	Data Science	Bachelor and Master	5	en	II	Autumn
CS-E3210	Machine Learning: Basic Principles	Bachelor and Master	5	en	I-II	Autumn
CS-E4590	Competitive Programming	Bachelor and Master	2	en	I-II	Autumn
CS-E5795	Computational Methods in Stochastics	Bachelor and Master	5	en	I-II	Autumn
CS-C3140	Operating Systems	Master	5	en	I	Autumn
CS-C3180	Software Design and Modelling	Master	5	en	I-II	Autumn
CS-E4100	Mobile Cloud Computing	Master	5	en	I-II	Autumn
CS-E4110	Concurrent Programming	Master	5	en	I-II	Autumn
CS-E4140	Applications and Services in Internet	Master	5	en	I-II	Autumn
CS-E4300	Network Security	Master	5	en	II	Autumn
CS-E4320	Cryptography and Data Security	Master	5	en	I-II	Autumn
CS-E4400	Design of WWW Services	Master	5	en	I-II	Autumn
CS-E4450	Explorative Information Visualization	Master	5	en	I-II	Autumn
CS-E4510	Distributed Algorithms	Master	5	en	I-II	Autumn
CS-E4600	Algorithmic Methods of Data Mining	Master	5	en	I-II	Autumn
CS-E4620	Introduction to Analytics and Data Science	Master	2	en	I	Autumn
CS-E4640	Big Data Platforms	Master	5	en	I-II	Autumn
CS-E4900	User-Centered Methods for Product and Service Design	Master	5	en	I-II	Autumn
CS-E5130	Digital Business Management	Master	4	en	II	Autumn
CS-E5220	User Interface Construction	Master	5	en	II	Autumn
CS-E5290	Digital Service Design	Master	6	en	I	Autumn
CS-E5300	Enterprise Systems Architecture	Master	5	en	I	Autumn
CS-E5310	ICT Enabled Service Business and Innovation	Master	5	en	I-II	Autumn
CS-E5330	IT Governance	Master	5	en	II	Autumn
CS-E5500	Acoustical Measurements	Master	5	en	I	Autumn
CS-E5610	Social Media	Master	4	en	I-II	Autumn
CS-E5710	Bayesian Data Analysis	Master	5	en	I-II	Autumn
CS-E5740	Complex Networks	Master	5	en	I-II	Autumn
CS-E5865	Computational Genomics	Master	5	en	I	Autumn
CS-E5875	High-Throughput Bioinformatics	Master	5	en	II	Autumn
CS-E3190	Principles of Algorithmic Techniques	Master and advanced BA	5	en	I-II	Autumn
CS-E4460	WWW Applications	Master and Doctoral	5	en	I-II	Autumn
CS-E4850	Computer Vision	Master and Doctoral	5	en	I-II	Autumn
CS-E4960	Software Testing and Quality Assurance	Master only	5	en	I-II	Autumn
CS-E5005	Research Methods in Software and Service Engineering	Master only	5	en	I-II	Autumn
CS-E5120	Introduction to Digital Business and Venturing	Suitable for both Bachelor and	3	en	I	Autumn
CS-C3150	Software Engineering	Bachelor and Master	5	en	I-II, III-IV	Autumn and spring
CS-E4330	Special Course in Information Security	Master	2-10	en	I-II, III-IV, V	Autumn and spring
CS-E4920	Portfolio in Software and Service Engineering (V)	Master	1-5	en	I, III, V	Autumn and spring
CS-E5460	Project in Embedded Systems	Master	5-10	en	I-II, III-V	Autumn and spring
SPRING TERM 2020						
CS-C1000	Introduction to Artificial Intelligence	Bachelor	3	en	IV	Spring
CS-C2150	Theoretical Computer Science	Bachelor	5	en	III-IV	Spring
CS-E4800	Artificial Intelligence	Bachelor and Master	5	en	III-IV	Spring
CS-E3220	Declarative Programming	Master	5	en	IV-V	Spring
CS-E4160	Laboratory Works in Networking and Security	Master	5-10	en	III-IV	Spring
CS-E4200	Emergent User interfaces	Master	5	en	III-IV	Spring
CS-E4310	Mobile Systems Security	Master	5	en	III-IV	Spring
CS-E4410	Semantic Web	Master	5	en	III-V	Spring
CS-E4500	Advanced Course in Algorithms	Master	5	en	III-IV	Spring
CS-E4530	Computational Complexity Theory	Master	5	en	III-IV	Spring
CS-E4555	Combinatorics	Master	5	en	III-IV	Spring
CS-E4580	Programming Parallel Computers	Master	5	en	V	Spring
CS-E4820	Machine Learning: Advanced Probabilistic Methods	Master	5	en	III-IV	Spring
CS-E4840	Information Visualization	Master	5	en	IV	Spring
CS-E4890	Deep Learning	Master	5	en	IV-V	Spring
CS-E4930	Software Processes and Projects	Master	5	en	IV-V?	Spring
CS-E4940	Requirements Engineering	Master	5	en	III-V	Spring
CS-E5140	Global Business in the Digital Age	Master	4	en	V	Spring
CS-E5200	Design Project	Master	10	en	III-V	Spring
CS-E5210	Usability evaluation	Master	5	en	IV-V	Spring
CS-E5340	Introduction to Industrial Internet	Master	5	en	IV	Spring
CS-E5360	Systems of Systems	Master	5	en	V	Spring
CS-E5370	Law in Digital Society	Master	5-6	en	III	Spring
CS-E5520	Advanced Computer Graphics	Master	5	en	III-V	Spring
CS-E5600	Aesthetics	Master	3	en	III-V	Spring
CS-E5700	Hands-on Network Analysis	Master	5	en	IV-V	Spring
CS-E5745	Mathematical Methods for Network Science	Master	5	en	III	Spring
CS-E5885	Modeling Biological Networks	Master	5	en	III	Spring
CS-E4830	Kernel Methods in Machine Learning	Master and Doctoral	5	en	III-IV	Spring

CS-E5530	Virtual Acoustics	Master and Doctoral	5	en	III-IV	Spring
CS-E5755	Nonlinear Dynamics and Chaos	Master and Doctoral	5	en	III	Spring
CS-E5890	Statistical Genetics and Personalised Medicine	Master and Doctoral	5	en	IV-V	Spring
CS-E4950	Software Architectures	Master only	5	en	III-V	Spring
CS-C3150	Software Engineering	Bachelor and Master	5	en	I-II, III-IV	Autumn and spring
CS-E4330	Special Course in Information Security	Master	2-10	en	I-II, III-IV, V	Autumn and spring
CS-E4920	Portfolio in Software and Service Engineering (V)	Master	1-5	en	I, III, V	Autumn and spring
CS-E5460	Project in Embedded Systems	Master	5-10	en	I-II, III-V	Autumn and spring
COURSES THAT BEGIN IN AUTUMN TERM 2019 AND END IN SPRING TERM 2020						
CS-C3170	Web Software Development	Bachelor and Master	5	en	II-III	From autumn to spring
VARIES (PLEASE CHECK FROM WEBOODI AND UPON ARRIVAL)						
CS-E4002	Special Course in Computer Science	Master	1-10	en	Varies	Varies
CS-E4070	Special Course in Machine Learning and Data Science	Master	1-10	en	Varies	Varies
CS-E5002	Special Course in Software and Service Engineering	Master	1-10	en	Varies	Varies
CS-E5380	Special Assignment on Enterprise Information Systems	Master	3-10	fi, en	Varies	Varies
CS-E5770	Special Course in Complex Systems	Master	1-10	en, fi	Varies	Varies
CS-E5780	Special Assignment in Complex Systems	Master	5-10	en	Varies	Varies
CS-E4003	Special Assignment in Computer Science	Master	1-10	en	Agreed with supervising professor	

** limited number of seats, degree students prioritized in student selection

Department of Industrial Engineering and Management						
Code	Name	Level	ECTS	Language	Period(s)	Term
AUTUMN TERM 2019						
TU-A1300	Introduction to Industrial Engineering and Management	Bachelor	5	en	I-II	Autumn
TU-C2010	Introduction to Strategic Management	Bachelor	5	en	I-II	Autumn
TU-C9270	Introduction to Networks	Bachelor	5	en, fi, sv	I-II	Autumn
TU-E1010	Advanced Strategic Management	Master	5	en	I	Autumn
TU-E1131	Financial Modeling in Strategy and Venturing	Master	5	en	II	Autumn
TU-E2000	Aalto Introduction to Services	Master	3-6	en	I	Autumn
TU-E2020	Advanced Operations Management	Master	3-5	en	II	Autumn
TU-E2030	Advanced Project-based Management	Master	3-5	en	I-II	Autumn
TU-E2040	Management of External Resources	Master	3-5	en	I-II	Autumn
TU-E3020	Knowledge Management in Practice	Master	5	en	I-II	Autumn
TU-E3031	Collaboration in Teams and Networks	Master	5	en	I-II	Autumn
TU-E3040	Human Potential	Master	5	en	I-II	Autumn
TU-E4040	Opportunity Prototyping	Master	3	en	I	Autumn
TU-E4060	Design & Innovation in Context	Master	6	en	II	Autumn
TU-E4080	Managing Innovative Sales	Master	3	en	II	Autumn
TU-E4090	Managing Innovative Sales, exercises	Master	3	en	II	Autumn
TU-E4120	Aalto Fellows II	Master	5	en	I	Autumn
TU-E6010	Philosophy	Master	3	en	I-II	Autumn
TU-E6110	Management of Networked Business Processes	Master	3-5	en	I-II	Autumn
TU-E2210	Financial Engineering I	Master and Doctoral	3-6	en	I-II	Autumn
TU-E1090	Research Assignment in Strategy and Venturing	Master	5	en	I-II, III-V	Autumn and spring
TU-E3091	Research Assignment in Organization Design and Leadership	Master	5	en	I-II, III-V	Autumn and spring
TU-E4130	Refresher on Business Research	Master	1	en	I, III, summer	Autumn and spring
TU-E6140	Business Game	Master	3	en	I, II, V	Autumn and spring
TU-E4011	High Growth Entrepreneurship with varying content	Master and Doctoral	1-20	en	I-II, III-V	Autumn and spring
TU-E4100	Startup Experience	Master and Doctoral	9	en	I-II, III-IV	Autumn and spring
SPRING TERM 2020						
TU-C3021	Managing knowledge and knowledge-intensive organizations	Bachelor	5	en	IV-V	Spring
TU-C3030	Basics in Research and Development (R&D) Management	Bachelor	3-5	en	III-V	Spring
TU-E1021	Strategies for Growth and Renewal	Master	5	en	III-IV	Spring
TU-E1120	Strategic Management of Technology and Innovation	Master	5	en	III-V	Spring
TU-E1140	Contracting in Strategy and Venturing	Master	2	en	IV	Spring
TU-E2012	Service Operations Management	Master	5	en	III-IV	Spring
TU-E2110	Innovation in Operations and Services	Master	3-5	en	III-IV	Spring
TU-E2120	Project Business	Master	3-5	en	III-IV	Spring
TU-E2130	Operations Management for New Ventures	Master	3-5	en	III-IV	Spring
TU-E3010	Leading as practice	Master	5	en	III-V	Spring
TU-E3050	Designing Adaptive and Creative Organizations	Master	5	en	III-IV	Spring
TU-E3150	Safety Management in Complex Sociotechnical Systems	Master	5	en	IV-V	Spring
TU-E4031	Startup Finance	Master	5	en	IV	Spring
TU-E4051	Startup Leadership	Master	5	en	V	Spring
TU-E4071	Startup Marketing	Master	5	en	V	Spring
TU-E4110	Aalto Fellows	Master	5	en	V	Spring
TU-E6120	Co-development Interventions in Business Networks	Master	5	en	III-IV	Spring
TU-E2220	Financial Engineering II	Master and Doctoral	3-6	en	III	Spring
TU-E1090	Research Assignment in Strategy and Venturing	Master	5	en	I-II, III-V	Autumn and spring
TU-E2090	Research Assignment in Operations and Service Management	Master	5-7	en	I-II, III-V	Autumn and spring
TU-E3091	Research Assignment in Organization Design and Leadership	Master	5	en	I-II, III-V	Autumn and spring
TU-E4130	Refresher on Business Research	Master	1	en	I, III, summer	Autumn and spring
TU-E6140	Business Game	Master	3	en	I, II, V	Autumn and spring
TU-E4011	High Growth Entrepreneurship with varying content	Master and Doctoral	1-20	en	I-II, III-V	Autumn and spring
TU-E4100	Startup Experience	Master and Doctoral	9	en	I-II, III-IV	Autumn and spring

Department of Mathematics and System Analysis

Code	Name	Level	ECTS	Language	Period(s)	Term
AUTUMN TERM 2019						
MS-A0011	Matrix Algebra	Bachelor	5	en	II	Autumn
MS-A0111	Differential and integral calculus	Bachelor	5	en	I	Autumn
MS-C1343	Linear algebra	Bachelor	5	en	I	Autumn
MS-C1350	Partial differential equations	Bachelor	5	en, fi, sv	I-II	Autumn
MS-C1530	Curves and surfaces	Bachelor	5	en	I	Autumn
MS-C2111	Stochastic Processes	Bachelor	5	en, fi, sv	II	Autumn
MS-C2128	Prediction and Time Series Analysis	Bachelor	5	en	II	Autumn
MS-E2114	Investment science	Master	5	en	I-II	Autumn
MS-E2115	Experimental and Statistical Methods in Biological Sciences	Master	5	en	I-II	Autumn
MS-E2121	Linear optimization	Master	5	en	I-II	Autumn
MS-E2122	Nonlinear optimization	Master	5	en	I-II	Autumn
MS-E2133	Systems analysis laboratory II	Master	5	en	I-II	Autumn
MS-E1050	Graph theory	Master and Doctoral	5	en	I	Autumn
MS-E1110	Number theory	Master and Doctoral	5	en	II	Autumn
MS-E1142	Computational algebraic geometry	Master and Doctoral	5	en	I	Autumn
MS-E1200	Lie groups and Lie algebras	Master and Doctoral	5	en	II	Autumn
MS-E1280	Measure and integral	Master and Doctoral	5	en	II	Autumn
MS-E1461	Hilbert spaces	Master and Doctoral	5	en	I	Autumn
MS-E1603	Random graphs and network statistics	Master and Doctoral	5	en	I	Autumn
MS-E1651	Numerical matrix computations	Master and Doctoral	5	en	II	Autumn
MS-E1652	Computational methods for differential equations	Master and Doctoral	5	en	I	Autumn
MS-E2195	Web-based courses in systems analysis (V)	Master	1-6	en	I-II, III-V	Autumn and spring
SPRING TERM 2020						
MS-A0211	Differential and integral calculus 2	Bachelor	5	en	IV	Spring
MS-A0311	Differential and integral calculus 3	Bachelor	5	en	V	Spring
MS-A0402	Foundations of discrete mathematics	Bachelor	5	en	IV	Spring
MS-A0503	First course in probability and statistics	Bachelor	5	en	III	Spring
MS-C1081	Abstract algebra	Bachelor	5	en, fi, sv	III	Spring
MS-C1421	Fourier analysis	Bachelor	5	en	IV	Spring
MS-C1620	Statistical inference	Bachelor	5	en	III-IV	Spring
MS-C2105	Introduction to Optimization	Bachelor	5	en	IV	Spring
MS-E2123	Integer optimization	Master	5	en	III-IV	Spring
MS-E2134	Decision making and problem solving	Master	5	en	III-IV	Spring
MS-E2148	Dynamic optimization	Master	5	en	III-IV	Spring
MS-E2170	Simulation (V)	Master	5	en	IV	Spring
MS-E2177	Seminar on Case Studies in Operations Research (V)	Master	5-7	en	III-V	Spring
MS-E1111	Galois theory	Master and Doctoral	5	en	IV	Spring
MS-E1281	Real analysis	Master and Doctoral	5	en	IV	Spring
MS-E1531	Differential geometry	Master and Doctoral	5	en	III	Spring
MS-E1600	Probability theory	Master and Doctoral	5	en	III	Spring
MS-E1653	Finite element method	Master and Doctoral	5	en	III-IV	Spring
MS-E1654	Computational inverse problems	Master and Doctoral	5	en	IV	Spring
MS-E1687	Advanced topics in cryptography V	Master and Doctoral	5	en	III-IV	Spring
MS-E2112	Multivariate statistical analysis	Master and Doctoral	5	en	III-IV	Spring
MS-E2195	Web-based courses in systems analysis (V)	Master	1-6	en	I-II, III-V	Autumn and spring
COURSES THAT BEGIN IN AUTUMN TERM 2019 AND END IN SPRING TERM 2020						
MS-E1980	Special assignment in mathematics (V)	Master	5-10	en, fi, sv	I-V	From autumn to spring
MS-E1059	Seminar on combinatorics (V)	Master and Doctoral	1-5	en	I-V	From autumn to spring
MS-E1089	Seminar on Algebra, Number Theory, and Applications to Comm	Master and Doctoral	2	en	I-V	From autumn to spring
MS-E1289	Seminar on analysis and geometry (V)	Master and Doctoral	1-5	en	I-V	From autumn to spring
MS-E1609	Seminar on stochastics and statistics (V)	Master and Doctoral	1-5	en	I-V	From autumn to spring
MS-E1659	Seminar on applied mathematics (V)	Master and Doctoral	1-5	en	I-V	From autumn to spring
VARIES (PLEASE CHECK FROM WEBODDI AND UPON ARRIVAL)						
MS-E1990	Course with Varying Content V	Master	1-10	en	Varies	Varies
MS-E1991	Course with Varying Content V	Master	1-10	en	Varies	Varies
MS-E1992	Course with Varying Content V	Master	1-10	en	Varies	Varies
MS-E1993	Course with Varying Content V	Master	1-10	en	Varies	Varies
MS-E1994	Course with Varying Content V	Master	1-10	en	Varies	Varies
MS-E1995	Course with Varying Content V	Master	1-10	en	Varies	Varies
MS-E1996	Course with Varying Content V	Master	1-10	en	Varies	Varies
MS-E1997	Course with Varying Content V	Master	1-10	en	Varies	Varies
MS-E1998	Course with Varying Content V	Master	1-10	en	Varies	Varies
MS-E2108	Independent research projects in systems analysis (V)	Master	5-8	en, fi	Varies	Varies
MS-E2136	Special topics in decision making (V)	Master	1-6	en	Varies	Varies
MS-E2144	Special topics in optimization (V)	Master	1-6	en	Varies	Varies
MS-E2193	Independent studies in systems analysis (V)	Master	1-9	en	Varies	Varies
MS-E2194	Research course in systems science (V)	Master	1-6	en	Varies	Varies

Department of Neuroscience and Biomedical Engineering

Code	Name	Level	ECTS	Language	Period(s)	Term
AUTUMN TERM 2019						
NBE-E4000	Principles of Biomedical Imaging	Master	5	en	I-II	Autumn
NBE-E4010	Medical Image Analysis	Master	5	en	I-II	Autumn
NBE-E4045	Functional Brain Imaging	Master	5	en	I-II	Autumn
NBE-E4050	Signal Processing in Biomedical Engineering	Master	5	en	I-II	Autumn

NBE-E4120	Cellular Electrophysiology	Master	5	en	I-II	Autumn
NBE-E4150	DNA Nanotechnology	Master	5	en	I-II	Autumn
NBE-E4210	Structure and operation of the human brain	Master	5	en	I-II	Autumn
SPRING TERM 2020						
NBE-E4100	Molecular Biophysics	Master	5	en	III-V	Spring
NBE-E4130	Information Processing in Neural Circuits	Master	5	en	III-V	Spring
NBE-E4225	Cognitive Neuroscience	Master	5	en	III	Spring
NBE-E4240	Advanced Course on Human Neuroscience	Master	5	en	IV-V	Spring
NBE-E4310	Biomedical Ultrasonics	Master	5	en	III-V	Spring
NBE-E4020	Medical Imaging	Master	5	en	III-IV	Spring
NBE-E4140	Neurophysics	Master	5	en	IV-V	Spring
NBE-E4300	Medical Device Innovation	Master	5	en	III-V	Spring