

All courses at Technische Universität Berlin (taught in English)

Faculty I - Humanities and Educational Sciences	1
Faculty II - Mathematics and Natural Sciences	3
Faculty III - Process Sciences	4
Faculty IV - Electrical Engineering and Computer Science	7
Faculty V - Mechanical Engineering and Transport Systems	13
Faculty VI – Planning Building Environment	17
Faculty VII - Economics and Management	21

Faculty I - Humanities and Educational Sciences

E Length: You can complete the module in at least this number of semesters

Cycle: WS = winter (October to March), SS = summer (April to September), WS/SS = available in both semesters

Exam types: W (written exam); O (Oral exam); P (Portfolio Exam – multiple exams/ tests/ projects/ homework); - (not specified)

Module Number	Module Title	C Y C L E	E C T S	E X A M	L E N G T H	E-Mail address
10117	Fachorientiertes Englisch für Ingenieurwissenschaftler: technische Kommunikation (B2)	WS/SS	6	P	1	jocelyn.keller@tu-berlin.de
10293	English for Academic Purposes - Academic Writing Skills and Oral Presentation Skills (B2)	WS/SS	6	P	1	keller@zems.tu-berlin.de
10295	English for Academic Purposes - Career Communication Skills (B2)	WS/SS	6	P	1	keller@zems.tu-berlin.de
10296	English for Academic Purposes - Preparation for the TOEFL (B2)	WS/SS	6	P	1	keller@zems.tu-berlin.de
10298	English for Academic Purposes - Academic Writing Skills and Oral Presentation Skills (C1)	WS/SS	6	P	1	keller@zems.tu-berlin.de
10302	Fachorientiertes Englisch für Natur- und Ingenieurwissenschaften (B2)	WS/SS	6	P	1	keller@zems.tu-berlin.de

10303	Fachorientiertes Englisch für Ingenieur- und Wirtschaftsingenieurwesen (B2)	WS/SS	6	P	1	keller@zems.tu-berlin.de
10308	Fachorientiertes Englisch für Naturwissenschaften (B2)	WS/SS	6	P	1	jocelyn.keller@tu-berlin.de
10314	Fachorientiertes Englisch für Naturwissenschaften, Technik und Gesellschaft (B2)	WS/SS	6	P	1	jocelyn.keller@tu-berlin.de
10315	Fachorientiertes Englisch für Natur- und Ingenieurwissenschaften (C1)	WS/SS	6	P	1	keller@zems.tu-berlin.de
10316	Fachorientiertes Englisch für Wirtschaftswissenschaften und Wirtschaftsingenieurwesen (C1)	WS/SS	6	P	1	jocelyn.keller@tu-berlin.de
10317	English for Specific Purposes: Sustainability (C1)	WS/SS	6	P	1	jocelyn.keller@tu-berlin.de
10480	English for Academic Purposes - Career Communication Skills (C1)	WS/SS	6	P	1	jocelyn.keller@tu-berlin.de
10491	Fachorientiertes Englisch für Naturwissenschaft, Technik und Gesellschaft (C1)	WS/SS	6	P	1	jocelyn.keller@tu-berlin.de
10493	Fachorientiertes Englisch für Naturwissenschaft, Technik und Wirtschaft (C1)	WS/SS	6	P	1	jocelyn.keller@tu-berlin.de
10713	English for Academic Purposes (C2)	WS/SS	6	P	1	jocelyn.keller@tu-berlin.de
10952	Politics of Machines	SS	6	P	1	michelle.christensen@tu-berlin.de

Faculty II - Mathematics and Natural Sciences

E Length: You can complete the module in at least this number of semesters

Cycle: WS = winter (October to March), SS = summer (April to September), WS/SS = available in both semesters

Exam types: W (written exam); O (Oral exam); P (Portfolio Exam – multiple exams/ tests/ projects/ homework); - (not specified)

Module Number	Module Title	C Y C L E	E C T S	E X A M	L E N G T H	E-Mail address
20275	Physical Chemistry: From bulk to the nanoscale	WS/SS	3	O	1	cristina.giordano@campus.tu-berlin.de
20390	Photo-Electrochemical Energy Conversion	WS/SS	6	W	1	
20390	Photo-Electrochemical Energy Conversion	WS/SS	6	W	1	r.vandekrol@tu-berlin.de
20501	Imprinting Technology and Modeling	WS/SS	6	P	1	schomaecker@tu-berlin.de
20635	Parallax - A Lab Exploring the Intersection Between Art and Science	WS/SS	3	P	1	thomas.friedrich.1@tu-berlin.de
20636	Light and Reflection Lab - Exhibiting Transdisciplinary Art	WS/SS	3	P	1	thomas.friedrich.1@tu-berlin.de
20645	Astronomy and Astrobiology in the Atacama Desert	WS/SS	10	P	2	dieter.breitschwerdt@tu-berlin.de
20733	Milestones of Quantum Technology I	WS/SS	3	-	1	j.wolters@tu-berlin.de
20754	Attosecond Physics	WS/SS	9	O	1	smirnova@tu-berlin.de
20775	Green Chemistry	WS/SS	6	O	1	schomaecker@tu-berlin.de

Faculty III - Process Sciences

Length: You can complete the module in at least this number of semesters

Cycle: WS = winter (October to March), SS = summer (April to September), WS/SS = available in both semesters

Exam types: W (written exam); O (Oral exam); P (Portfolio Exam – multiple exams/ tests/ projects/ homework); - (not specified)

Module Number	Module Title	C Y C L E	E C T S	E X A M	L E N G T H	E-Mail address
30024	Energy Economics	WS/SS	6	W	1	t.brown@tu-berlin.de
30154	Modern Mass Spectrometry	WS/SS	6	P	1	juri.rappsilber@tu-berlin.de
30155	Process Systems Engineering	WS/SS	3	P	1	jens-uwe.repke@tu-berlin.de
30175	Methods and Tools for Sustainability Assessment - Management of Sustainable Development	WS/SS	6	O	1	info@see.tu-berlin.de
30182	Waste-to-energy processes	WS/SS	6	O	1	info@circulareconomy.tu-berlin.de
30187	Integrated management of agricultural residues	WS/SS	6	P	1	info@circulareconomy.tu-berlin.de
30192	Advanced Recycling Technologies I	WS/SS	6	P	1	info@circulareconomy.tu-berlin.de
30202	Strategies for Sustainable Development in Politics and Economy - Management of Sustainable Development	WS/SS	6	O	1	info@see.tu-berlin.de
30202	Strategies for Sustainable Development in Politics and Economy - Management of Sustainable Development	WS/SS	6	O	1	info@see.tu-berlin.de
30208	Thermal design of compression refrigeration machines	WS/SS	6	P	1	tetyana.morozyuk@tu-berlin.de
30362	Refrigeration Installations	WS/SS	6	P	1	tetyana.morozyuk@tu-berlin.de

30373	Industrielle anaerobe Bioprozesse - Bioenergie, Biogas, Biosolvents	WS/SS	6	W	1	peter.neubauer@tu-berlin.de, stefan.junne@tu-berlin.de
30431	Energy and Development Project	WS/SS	6	P	1	georg.erdmann@tu-berlin.de
30431	Energy and Development Project	WS/SS	6	P	1	georg.erdmann@tu-berlin.de
30437	Bioprocess development from high throughput screening to production	WS/SS	9	O	1	peter.neubauer@tu-berlin.de
30446	Nanomaterials: Synthesis, Size-Dependent Properties and Applications	WS/SS	6	P	1	gurlo@ceramics.tu-berlin.de
30446	Nanomaterials: Synthesis, Size-Dependent Properties and Applications	WS/SS	6	P	1	dorian.hanaor@ceramics.tu-berlin.de
30457	Ecodesign	WS/SS	6	O	1	matthias.finkbeiner@tu-berlin.de
30550	Energy Engineering I	WS/SS	6	P	1	Tetyana.Morozyuk@tu-berlin.de
30551	Energy Engineering II	WS/SS	6	P	1	Tetyana.Morozyuk@tu-berlin.de
30556	Fungal Biotechnology in the Post-Genomic Era	WS/SS	3	P	1	vera.meyer@tu-berlin.de
30667	Introduction to Additive Manufacturing (3D Printing)	WS/SS	6	P	1	gurlo@tu-berlin.de
30675	Single-cell technologies	WS/SS	2	O	1	roland.lauster@tu-berlin.de
30675	Single-cell technologies	WS/SS	5	O	1	roland.lauster@tu-berlin.de
30675	Single-cell technologies	WS/SS	6	O	1	roland.lauster@tu-berlin.de
30676	Geobiotechnology PR (3 LP)	WS/SS	3	P	1	lorenz.adrian@tu-berlin.de

30676	Praktikum Biochemie geo- und umweltrelevanter Prozesse	WS/SS	3	P	1	lorenz.adrian@tu-berlin.de
30699	Advanced Recycling Technologies	WS/SS	12	P	2	info@circulareconomy.tu-berlin.de
30736	Surfacewater Quality Modeling	WS/SS	6	P	1	ferdi.hellweger@tu-berlin.de
30736	Surfacewater Quality Modeling	WS/SS	6	P	1	ferdi.hellweger@tu-berlin.de
30737	Agent-based modeling (ABM)	WS/SS	6	P	1	ferdi.hellweger@tu-berlin.de
30738	Modeling of Environmental Systems	WS/SS	12	P	1	ferdi.hellweger@tu-berlin.de
30755	Isotope Biotechnology (3 LP)	WS/SS	3	P	1	l.adrian@tu-berlin.de
30780	Greening Africa Together Service Learning	WS/SS	8	P	2	felix.ziegler@tu-berlin.de
30803	Ecodesign	WS/SS	6	O	1	matthias.finkbeiner@tu-berlin.de
30833	Biomaterials and Regenerative Medicine	WS/SS	3	O	1	roland.lauster@tu-berlin.de
30846	Modern Power Plant Engineering	WS/SS	6	O	1	tetyana.morozyuk@tu-berlin.de
30852	Energy and Climate Change	WS/SS	3	W	1	luderer@tu-berlin.de
30882	Surface water quality: Current Literature (SCL)	WS/SS	3	O	1	ferdi.hellweger@tu-berlin.de
30889	Engineering Physical Chemistry	WS/SS	6	P	1	tetyana.morozyuk@tu-berlin.de
30934	Climate neutrality and decarbonisation	WS/SS	6	P	1	matthias.finkbeiner@tu-berlin.de
30941	Structural Proteomics	WS/SS	6	P	1	zhuo.chen@tu-berlin.de

Faculty IV - Electrical Engineering and Computer Science

Length: You can complete the module in at least this number of semesters

Cycle: WS = winter (October to March), SS = summer (April to September), WS/SS = available in both semesters

Exam types: W (written exam); O (Oral exam); P (Portfolio Exam – multiple exams/ tests/ projects/ homework); - (not specified)

Module Number	Module Title	C Y C L E	E C T S	E X A M	L E N G T H	E-Mail address
40007	Project: Brain-Computer Interfacing	WS/SS	9	P	1	benjamin.blankertz@tu-berlin.de
40037	DBT-PRA (Database Technology Class - Practice Part)	WS/SS	6	P	1	sekr@dima.tu-berlin.de
40103	Cloud Native Architecture and Engineering	WS/SS	6	P	1	lehre@ise.tu-berlin.de
40111	Structure and Algorithmic Applications of Directed Graphs	WS/SS	6	O	1	stephan.kreutzer@tu-berlin.de
40113	Hardware Security Lab	WS/SS	6	P	2	lehre@sect.tu-berlin.de
40116	SIP - Stereo Image Processing	WS/SS	3	W	1	oliver.schreer@hhi.fraunhofer.de
40155	Secure Operational Control of Large-Scale Renewable Energy Systems and Power Grids	WS/SS	6	P	1	kai.strunz@tu-berlin.de
40184	Technology for Thin Film Devices	WS/SS	6	O	1	bernd.szyszka@tu-berlin.de
40187	Multivariable Control Systems	WS/SS	6	W	1	hans@control.tu-berlin.de
40188	Nonlinear Control Systems	WS/SS	6	W	1	schauer@control.tu-berlin.de
40210	Design, Simulation and Test of Microsystems I	WS/SS	6	P	1	lehre@whs.tu-berlin.de
40213	Design, Simulation and Test of Microsystems II	WS/SS	6	P	1	lehre@whs.tu-berlin.de

40237	Integrated High-Frequency Circuits, systems and applications	WS/SS	6	O	2	malignaggi@ihp-microelectronics.com
40275	Modern Network Technologies	WS/SS	6	O	1	lehre@tkn.tu-berlin.de
40286	Computational Social Choice	WS/SS	9	W	1	brill@tu-berlin.de
40304	Networked Embedded Systems	WS/SS	6	O	1	lehre@tkn.tu-berlin.de
40307	Advanced Computer Architecture	WS/SS	6	P	1	aca@aes.tu-berlin.de
40310	Advanced Information Management 2 - Management of Data Streams	WS/SS	6	P	1	sekr@dima.tu-berlin.de
40321	Algorithmic Graph Structure Theory	WS/SS	9	O	1	stephan.kreutzer@tu-berlin.de
40322	Algorithmic Research in Teams	WS/SS	9	P	1	lehre@akt.tu-berlin.de
40326	Analysis and Optimization of Embedded Systems	WS/SS	6	O	1	lehre@sese.tu-berlin.de
40353	BDASEM - Big Data Analytics Seminar	WS/SS	3	P	1	sekr@dima.tu-berlin.de
40388	Computer Security - Seminar	WS/SS	3	P	1	seminar@sect.tu-berlin.de
40394	Current Research in Algorithms and Complexity	WS/SS	3	P	1	rolf.niedermeier@tu-berlin.de
40399	Data Warehousing and Business Intelligence	WS/SS	6	P	1	sekr@dima.tu-berlin.de
40405	DBT: Database Technology	WS/SS	6	P	1	sekr@dima.tu-berlin.de
40440	Embedded Operating Systems	WS/SS	6	O	2	lehre@sect.tu-berlin.de

40518	Introduction to SPICE-based Circuit Simulation Project	WS/SS	6	P	1	lehre@se.tu-berlin.de
40550	Machine Learning 1	WS/SS	9	W	1	klaus-robot.mueller@tu-berlin.de
40552	Master Project: Distributed Systems	WS/SS	9	P	1	odej.kao@tu-berlin.de
40585	Multicore Systems	WS/SS	6	P	1	mca@aes.tu-berlin.de
40600	Vehicular Networking and Cooperative Driving	WS/SS	6	O	1	lehre@tkn.tu-berlin.de
40627	Parameterized Algorithmics	WS/SS	6	O	1	lehre@akt.tu-berlin.de
40662	Quality Assurance of Embedded Systems	WS/SS	6	O	1	lehre@sese.tu-berlin.de
40667	Randomized Algorithmics	WS/SS	6	O	1	lehre@akt.tu-berlin.de
40668	Recent Advances in Computer Architecture	WS/SS	3	P	1	rac@aes.tu-berlin.de
40693	Data Science Project	WS/SS	9	P	1	lehre@lists.dai-labor.de
40698	Seminar Software and Embedded Systems Engineering	WS/SS	3	P	1	lehre@sese.tu-berlin.de
40707	Smart Communication Systems	WS/SS	9	P	2	Lehre@lists.dai-labor.de
40718	Special Topics in Communications Networks and Autonomous Security	WS/SS	3	P	1	lehre@lists.dai-labor.de
40787	Programming Course and Project	WS/SS	6	P	1	graduateprograms@bccn-berlin.de
40828	Modern Wireless Communications	WS/SS	6	O	2	sekretariat@netit.tu-berlin.de

40829	Modern Signal Processing for Communications	WS/SS	6	O	2	sekretariat@netit.tu-berlin.de
40834	Machine Learning 1-X	WS/SS	12	W	2	klaus-robert.mueller@tu-berlin.de
40835	Machine Learning 2-X	WS/SS	12	W	2	klaus-robert.mueller@tu-berlin.de
40853	Brain-Computer Interfacing - from neurons to data	WS/SS	3	P	1	miklody@tu-berlin.de
40875	Societal Aspects of Computer Science and ICT	WS/SS	6	W	1	peroz@tu-berlin.de
40884	Introduction to Game Theory with Engineering Applications	WS/SS	6	P	1	sekretariat@netit.tu-berlin.de
40894	Mathematics of Machine Learning	WS/SS	6	O	2	sekretariat@netit.tu-berlin.de
40912	Research Colloquium on Economics and Computation	WS/SS	3	P	1	brill@tu-berlin.de
40913	Algorithmics for Discrete Data Science	WS/SS	6	W	1	rolf.niedermeier@tu-berlin.de
40920	Project Open Distributed Systems	WS/SS	9	P	1	lehre@ods.tu-berlin.de
40924	Advanced Topics in IoT	WS/SS	3	P	1	
40925	Algorithms, Games, and the Internet	WS/SS	9	W	1	brill@tu-berlin.de
40928	Machine Learning for Remote Sensing Data Analysis	WS/SS	3	P	1	demir@tu-berlin.de
40936	Fog Computing	WS/SS	6	P	1	
40937	Image Processing for Remote Sensing	WS/SS	6	P	1	demir@tu-berlin.de

40944	Digital Democracy	WS/SS	3	P	1	brill@tu-berlin.de
40962	Continuous Software Engineering	WS/SS	6	P	1	lehre@ise.tu-berlin.de
40966	Programming Project in Python	WS/SS	6	P	1	lundt@tu-berlin.de
40968	Research Oriented Course (ROC) on Data Science and Engineering Systems and Technologies	WS/SS	9	P	1	volker.markl@tu-berlin.de
40969	Advanced topics in Reinforcement Learning	WS/SS	6	O	1	sekr@ni.tu-berlin.de
40971	Software Architecture for Blockchain Applications	WS/SS	6	W	1	ingo.weber@tu-berlin.de
40980	Advanced Wireless Communications	WS/SS	6	P	2	caire@tu-berlin.de
40981	Information Theory and Applications	WS/SS	6	P	1	caire@tu-berlin.de
40983	Advanced Protocols of Internet Communications	WS/SS	3	P	1	florian.tschorsch@tu-berlin.de
40986	Algebraic Graph Theory	WS/SS	6	O	1	stephan.kreutzer@tu-berlin.de
40987	Digraph Structure Theory II	WS/SS	6	O	1	stephan.kreutzer@tu-berlin.de
40991	DevOps: Engineering for Deployment and Operations	WS/SS	6	P	1	devops@sbe.tu-berlin.de
40993	Event-based Robot Vision	WS/SS	6	P	1	guillermo.gallego@tu-berlin.de
40994	Ethics, data science, and networked AI	WS/SS	6	P	1	berendt@tu-berlin.de
40996	Open Distributed Systems - Seminar	WS/SS	3	P	1	lehre@ods.tu-berlin.de

40997	Programming Project: Data Science in Python and R	WS/SS	6	P	1	guillermo.aguilar@mail.tu-berlin.de
41001	Bio-inspired Computer Vision	WS/SS	9	P	1	marianne.maertens@tu-berlin.de
41002	Advanced topics in Reinforcement Learning II: Multi-Agent Systems and Hierarchical Learning	WS/SS	6	P	1	sekr@ni.tu-berlin.de
41003	Foundations of Cryptographic Protocols	WS/SS	6	P	1	heindel@tu-berlin.de
41004	AI and Robotics: Lab Course	WS/SS	6	P	1	toussaint@tu-berlin.de
41005	AI and Robotics: Research	WS/SS	6	P	1	
41006	Quantum Computing	WS/SS	6	O	1	lehre@sect.tu-berlin.de
41007	Summer School	WS/SS	4	P	1	ictinnovation@eecs.tu-berlin.de
41009	Wireless Communication Systems	WS/SS	6	P	1	werner.mohr@campus.tu-berlin.de
41012	Project Computer Vision for Remote Sensing	WS/SS	9	P	1	demir@tu-berlin.de
41013	Scientific Working II	WS/SS	6	P	1	peroz@tu-berlin.de
41015	Seminar Communication Technologies	WS/SS	3	P	1	dressler@tu-berlin.de
41016	Optimization Algorithms	WS/SS	6	W	1	toussaint@tu-berlin.de
41017	Learning and Intelligent Systems: Project	WS/SS	9	P	1	toussaint@tu-berlin.de
41018	State Estimation for Robotics	WS/SS	6	P	1	guillermo.gallego@tu-berlin.de

41023	Finite-State Dynamical Systems	WS/SS	6	P	1	kuize.zhang@campus.tu-berlin.de
41024	Network Simulation	WS/SS	6	P	1	lehre@tkn.tu-berlin.de
41035	Cloud Service Benchmarking	WS/SS	6	P	1	david.bermbach@tu-berlin.de
41036	Reading Group Cloud Systems	WS/SS	3	P	1	david.bermbach@tu-berlin.de
41039	History of Computer Systems	WS/SS	3	P	1	lehre@tkn.tu-berlin.de
41040	Control of microgrids with high share of renewable energy	WS/SS	6	P	1	christian.hans@tu-berlin.de

Faculty V - Mechanical Engineering and Transport Systems

Length: You can complete the module in at least this number of semesters

Cycle: WS = winter (October to March), SS = summer (April to September), WS/SS = available in both semesters

Exam types: W (written exam); O (Oral exam); P (Portfolio Exam – multiple exams/ tests/ projects/ homework); - (not specified)

Module Number	Module Title	C Y C L E	E C T S	E X A M	L E N G T H	E-Mail address
50003	Fundamentals of Space Technology	WS/SS	9	P	2	zizung.yoon@tu-berlin.de
50006	Fundamentals of Combustion	WS/SS	6	P	1	m.bohon@tu-berlin.de
50035	Satellite Technology	WS/SS	6	W	1	cem.avsar@tu-berlin.de
50036	Space Electronics	WS/SS	6	P	2	cem.avsar@tu-berlin.de
50037	Spacecraft Dynamics and Control	WS/SS	9	P	2	zizung.yoon@tu-berlin.de

50042	Space Mission Planning and Operations	WS/SS	6	P	1	Manuel.ortega@mse.tu-berlin.de
50043	Human Spaceflight	WS/SS	6	P	2	Manuel.ortega@mse.tu-berlin.de
50045	Project Management	WS/SS	6	P	1	olga.homakova@tu-berlin.de
50066	Special topics of Cognitive Psychology 2	WS/SS	6	P	1	eva.wiese@tu-berlin.de
50069	Combustion Kinetics	WS/SS	6	O	1	neda.djordjevic@tu-berlin.de
50073	Asymptotic Methods in Mechanics	WS/SS	6	O	1	ivan.argatov@campus.tu-berlin.de
50074	Indentation Testing of Biological Tissues	WS/SS	6	O	1	ivan.argatov@campus.tu-berlin.de
50120	Introduction to Satellite Geodesy	WS/SS	6	O	1	olga.homakova@tu-berlin.de
50284	Flight Mechanics 2 (Flight dynamics)	WS/SS	6	P	1	Kai.Lofffield@tu-berlin.de
50285	Flight Mechanics 3 (Handling Qualities)	WS/SS	6	P	1	phillip.nagel@tu-berlin.de
50287	Flight Control	WS/SS	6	P	1	phillip.nagel@tu-berlin.de
50427	Mechanics of Fibre Composites Materials	WS/SS	6	P	1	anton.koellner@tu-berlin.de
50444	Intelligent transport systems	WS/SS	6	P	1	lehre@vsp.tu-berlin.de
50446	Mobile Working Robot Systems	WS/SS	6	P	1	cornelia.weltzien@tu-berlin.de
50458	Multi-agent transport simulation	WS/SS	6	P	1	lehre@vsp.tu-berlin.de

50465	Nonlinear Oscillations	WS/SS	6	P	1	Isabell.Starker@TU-Berlin.de
50465	Nonlinear Oscillations	WS/SS	6	P	1	isabell.geier@tu-berlin.de
50477	Integrated Aircraft Navigation	WS/SS	6	P	1	maarten.uitdehaag@tu-berlin.de
50532	Hands-on project to finite element analysis	WS/SS	6	O	1	wolfgang.h.mueller@tu-berlin.de
50540	Room Acoustics	WS/SS	6	O	1	ta7@akustik.tu-berlin.de
50619	Modeling and Simulation of Turbulent Flows (CFD4)	WS/SS	6	P	1	office@tnt.tu-berlin.de
50646	Future perspectives in Human Factors Research	WS/SS	3	P	1	roetting@mms.tu-berlin.de, sarah.freytag@mms.tu-berlin.de
50674	Advanced Measurement Techniques for different Flow Fields	WS/SS	6	W	1	paul-uwe.thamsen@tu-berlin.de
50684	Numerical Acoustics	WS/SS	6	P	1	ta7@akustik.tu-berlin.de
50692	Innovative gas turbine processes and their modelling	WS/SS	6	P	1	stathopoulos@tu-berlin.de
50693	Energy storage processes	WS/SS	6	O	1	stathopoulos@tu-berlin.de
50699	Introduction to Biomechanics	WS/SS	6	P	1	manfred.zehn@tu-berlin.de
50713	Design and Simulation of Wind Turbines	WS/SS	6	P	1	christian.nayeri@tu-berlin.de
50740	Tensor Algebra and Calculus (for Beginners and at Intermediate Level)	WS/SS	3	O	1	wolfgang.h.mueller@tu-berlin.de
50746	Wind Turbine Measurement Techniques	WS/SS	6	P	1	christian.nayeri@tu-berlin.de

50762	Radiation Workshop	WS/SS	3	W	1	cem.avsar@tu-berlin.de
50798	Contemporary Water Processing And Management	WS/SS	6	W	1	paul-uwe.thamsen@tu-berlin.de
50807	Ethical and Social Challenges of Emerging Technologies: Automation, Robotics, AI: (Project)	WS/SS	6	P	1	nele.fischer@tu-berlin.de
50831	Vehicle-2-X Communication and Controls	WS/SS	6	P	1	sangyoung.park@tu-berlin.de
50841	Planetary Exploration and Space Robotics 1	WS/SS	6	P	1	cem.avsar@tu-berlin.de
50842	Planetary Exploration and Space Robotics 2	WS/SS	6	P	1	lennart.kryza@tu-berlin.de
50867	Effective Java programming in agent-based transport simulations	WS/SS	3	-	1	lehre@vsp.tu-berlin.de
50869	Introduction to Machine Learning	WS/SS	6	O	1	wolfgang.h.mueller@tu-berlin.de
50886	Pressure gain combustion	WS/SS	6	P	1	m.bohon@tu-berlin.de
50905	Data Science and Artificial Intelligence for Urban Water Management	WS/SS	6	P	1	andrea.cominola@tu-berlin.de
50917	Smart Sensing	WS/SS	6	P	1	andrea.cominola@tu-berlin.de
50918	Smart Buildings	WS/SS	6	P	1	andrea.cominola@tu-berlin.de
50920	Critical Infrastructure and Digitalization	WS/SS	6	P	1	andrea.cominola@tu-berlin.de
50921	Data Science for agent-based transport simulations	WS/SS	3	-	1	lehre@vsp.tu-berlin.de
50926	Projekt Rebound indentation Test	WS/SS	6	O	1	ivan.argatov@campus.tu-berlin.de

50930	Introduction to Embodied Cognitive Science	WS/SS	6	P	1	sanchessanchez@tu-berlin.de
50933	Engineering Design, Structure and Rotor Dynamics Project	WS/SS	6	P	1	robert.liebich@tu-berlin.de
50958	Ethics of AI (6 LP)	WS/SS	6	P	1	m.lhuillier-kuehnelt[at]tu-berlin.de
50963	Water and Wastewater Transport	WS/SS	6	W	1	paul-uwe.thamsen@tu-berlin.de
50976	Thermoacoustic Project	WS/SS	6	O	1	ghani@tu-berlin.de

Faculty VI – Planning Building Environment

Length: You can complete the module in at least this number of semesters

Cycle: WS = winter (October to March), SS = summer (April to September), WS/SS = available in both semesters

Exam types: W (written exam); O (Oral exam); P (Portfolio Exam – multiple exams/ tests/ projects/ homework); - (not specified)

Module Number	Module Title	C Y C L E	E C T S	E X A M	L E N G T H	E-Mail address
60192	Adjustment Theory I	WS/SS	6	W	1	ega@geodesy.tu-berlin.de
60199	FOU Introduction to Satellite Geodesy	WS/SS	6	O	1	juergen.oberst@tu-berlin.de
60277	SGN Space Geodesy and Navigation III	WS/SS	9	O	1	harald.schuh@tu-berlin.de
60277	SGN Space Geodesy and Navigation III	WS/SS	9	O	1	harald.schuh@tu-berlin.de
60292	EGA Transformation of Geodetic Networks	WS/SS	3	P	1	frank.neitzel@tu-berlin.de
60292	Transformation of Geodetic Networks	WS/SS	3	P	1	ega@geodesy.tu-berlin.de

60296	Project Seminar Engineering Geodesy and Adjustment Theory	WS/SS	6	P	2	ega@geodesy.tu-berlin.de
60299	Adjustment Theory and Transformation of Geodetic Networks	WS/SS	9	P	2	ega@geodesy.tu-berlin.de
60299	EGA Engineering Surveying and Estimation Theory I	WS/SS	9	P	2	ega@geodesy.tu-berlin.de
60300	Adjustment Theory and Geodetic Sensors	WS/SS	9	P	1	ega@geodesy.tu-berlin.de
60324	Environmental Assessment	WS/SS	6	O	1	klaus.klisch@tu-berlin.de
60324	Impact Assessment and the Mitigation Sequence - Concepts, Cases, Convergence	WS/SS	6	O	1	klaus.klisch@tu-berlin.de
60350	Methods of Impact Assessment	WS/SS	6	P	1	johann.koepfel@tu-berlin.de
60704	Critical Urban Policy Studies: Theoretical Issues and Empirical Explorations	WS/SS	6	P	1	e.gualini@isr.tu-berlin.de
60809	Kernmodul Urbane Mobilität und Stadt	WS/SS	6	P	1	d.heinrichs@isr.tu-berlin.de
60861	SUM2: Globale Trends der Urbanen Mobilität	WS/SS	3	P	1	isr@isr.tu-berlin.de
61041	Data Analytics for Civil Engineers	WS/SS	6	P	1	timo.hartmann@tu-berlin.de
61046	FOU Geoinformatics 1	WS/SS	6	O	1	martin.kada@tu-berlin.de
61047	FOU Spatial Databases and Infrastructures	WS/SS	6	O	1	martin.kada@tu-berlin.de
61055	GIS Geographical Information Systems B	WS/SS	6	P	1	martin.kada@tu-berlin.de
61058	Land Use. Impacts. Responses.	WS/SS	3	P	1	johann.koepfel@tu-berlin.de

61065	Planning Theory B	WS/SS	9	P	2	e.gualini@isr.tu-berlin.de
61101	Urban ecohydrology	WS/SS	6	P	1	eva.paton@tu-berlin.de
61115	Scales and Methodology	WS/SS	6	P	1	finn.geipel@tu-berlin.de
61157	Inland Water Ecology B	WS/SS	6	P	1	gessner@tu-berlin.de
61165	Inland Water Ecology A	WS/SS	3	-	1	gessner@tu-berlin.de
61234	Project Environmental Planning A	WS/SS	12	P	1	johann.koeppel@tu-berlin.de
61234	Project Environmental Planning A	WS/SS	12	P	1	jesko.hirschfeld@tu-berlin.de
61235	Project Environmental Planning B	WS/SS	12	P	1	johann.koeppel@tu-berlin.de
61263	Introduction to Urban Ecosystem Sciences (StuPO2017)	WS/SS	12	P	2	martin.kaupenjohann@tu-berlin.de
61267	Adaptive Management in Environmental Planning: Open Standards for the Practice of Conservation	WS/SS	6	P	1	stefan.heiland@tu-berlin.de
61392	Circular Economy for the Built Environment: Principles, Practices and Methods	WS/SS	6	P	1	timo.hartmann@tu-berlin.de
61397	Data Engineering (Ma)	WS/SS	6	P	1	timo.hartmann@tu-berlin.de
61431	Geoinformatics	WS/SS	6	W	1	martin.kada@tu-berlin.de
61432	Geodatabases and Infrastructures	WS/SS	6	W	1	martin.kada@tu-berlin.de
61433	Geo Data Science	WS/SS	6	O	1	martin.kada@tu-berlin.de

61434	Deep Learning for Geographical Data	WS/SS	6	O	1	martin.kada@tu-berlin.de
61435	Geographical Information Systems	WS/SS	3	O	1	martin.kada@tu-berlin.de
61440	Introduction to Space Geodesy	WS/SS	6	O	1	frank.flechtner@tu-berlin.de
61441	Project Seminar Space Geodesy and Navigation	WS/SS	6	P	2	harald.schuh@tu-berlin.de
61442	GNSS Remote Sensing	WS/SS	3	P	1	wickert@tu-berlin.de
61443	Space Geodetic Techniques	WS/SS	6	O	1	harald.schuh@tu-berlin.de
61445	Geodesy of Terrestrial Planets	WS/SS	6	P	1	juergen.oberst@tu-berlin.de
61446	Geodesy and Dynamics of Outer Planets	WS/SS	3	P	1	juergen.oberst@tu-berlin.de
61446	Planetary Geodesy II	WS/SS	3	P	1	juergen.oberst@tu-berlin.de
61447	Real-Time Multi-Sensor Precise Positioning	WS/SS	3	P	1	maorong.ge@tu-berlin.de
61448	Precise Orbit Determination	WS/SS	3	P	1	maorong.ge@tu-berlin.de
61449	Methodology of Positioning and Navigation with GNSS	WS/SS	3	P	1	roman.galas@tu-berlin.de
61450	GNSS Signal Processing and Data Communication	WS/SS	3	P	1	roman.galas@tu-berlin.de
61454	Geoscientific Aspects of Geodesy	WS/SS	3	P	1	wickert@tu-berlin.de
61463	Globale Soziologie 1-10	WS/SS	3	P	1	nina.baur@tu-berlin.de

61467	Umwelt Governance	WS/SS	6	P	1	lena.partzsch@tu-berlin.de
61468	Globale Umwelt Governance	WS/SS	6	P	1	lena.partzsch@tu-berlin.de
61483	Adjustment Theory and Analysis of Stochastic Processes	WS/SS	9	P	2	ega@geodesy.tu-berlin.de

Faculty VII - Economics and Management

Length: You can complete the module in at least this number of semesters

Cycle: WS = winter (October to March), SS = summer (April to September), WS/SS = available in both semesters

Exam types: W (written exam); O (Oral exam); P (Portfolio Exam – multiple exams/ tests/ projects/ homework); - (not specified)

Module Number	Module Title	C Y C L E	E C T S	E X A M	L E N G T H	E-Mail address
70001	Climate and Energy Policy	WS/SS	6	P	1	karsten.neuhoff@tu-berlin.de
70010	Seminar in Innovation Research (SIR)	WS/SS	6	P	1	brigitte.essoun@tu-berlin.de
70011	Multinational Corporations and Corporate Control	WS/SS	6	P	1	info@strategie.tu-berlin.de
70017	Prototyping Eco-innovation	WS/SS	6	P	1	jan.kratzer@tu-berlin.de
70026	Sustainable Marketing	WS/SS	6	P	1	info@marketing.tu-berlin.de
70029	Strategic Standardization and Platform Management	WS/SS	6	P	1	knut.blind@tu-berlin.de
70049	Energy and Resources - Sector Coupling: Integrating Electricity, Oil and Gas Supply	WS/SS	6	P	1	mueller-kirchenbauer@tu-berlin.de
70051	Operations Research - Methods for Energy and Resource Markets (OR-RES)	WS/SS	6	P	1	or@wip.tu-berlin.de

70055	International Entrepreneurship	WS/SS	6	P	1	matthias.mrozewski@tu-berlin.de
70057	Venture Campus - ICT Innovation	WS/SS	9	P	1	venturecampus@entrepreneurship.tu-berlin.de
70069	Student Research Project „Experimental and Behavioral Economics“	WS/SS	12	P	1	dorothea.kuebler@wzb.eu
70070	Microeconomics I (Pre-doctoral course)	WS/SS	9	P	1	dorothea.kuebler@wzb.eu
70072	Management of Corporate Crisis	WS/SS	6	P	1	jan.kratzer@tu-berlin.de
70103	Advanced Microeconomics	WS/SS	6	W	1	marco.runkel@tu-berlin.de
70115	Competition Policy: Theory and Practice	WS/SS	6	W	1	ivanova-stenzel@tu-berlin.de
70127	Energy and Resources - Technology and Systems	WS/SS	6	P	1	sekretariat@er.tu-berlin.de
70129	Energy Economics - Energy Sector Modeling (EW-MOD)	WS/SS	6	P	1	ew@wip.tu-berlin.de
70130	Energy Economics - Advanced Energy and Resources Policy (EW- AER)	WS/SS	6	P	1	ew@wip.tu-berlin.de
70133	Engineering Statistics	WS/SS	6	W	1	axel.werwatz@tu-berlin.de
70134	Entrepreneurship Research	WS/SS	6	W	1	jan.kratzer@tu-berlin.de
70135	Experimental and Behavioural Economics	WS/SS	6	P	1	dorothea.kuebler@wzb.eu
70136	Financial Crises and Coordination	WS/SS	6	P	1	r.geismar@tu-berlin.de
70138	Advanced Environmental Economics	WS/SS	6	W	1	sekretariat@umweltoekonomie.tu-berlin.de

70149	Innovation Management - Corporate Innovation	WS/SS	6	P	1	corpino@tim.tu-berlin.de
70151	I&E Study	WS/SS	6	W	1	jan.kratzer@tu-berlin.de
70158	Operations Research - Graduate Autumn School (OR-AUT)	WS/SS	6	P	1	infratrain@wip.tu-berlin.de
70159	Innovation Economics	WS/SS	6	P	1	brigitte.essoun@tu-berlin.de
70160	Innovation Management & Entrepreneurship Basics	WS/SS	6	P	1	jan.kratzer@tu-berlin.de
70161	Innovation Marketing	WS	6	P	1	info@marketing.tu-berlin.de
70162	Innovationspolitik	WS/SS	6	P	1	brigitte.essoun@tu-berlin.de
70173	Introduction to Financial Econometrics	WS/SS	6	W	1	axel.werwatz@tu-berlin.de
70186	Operations Research - Methods for Network Engineering (OR-INF)	WS/SS	6	P	1	or@wip.tu-berlin.de
70187	Microeconometrics	WS/SS	6	P	1	axel.werwatz@tu-berlin.de
70190	Multivariate Analysis/Business Statistics	WS/SS	6	W	1	axel.werwatz@tu-berlin.de
70195	Network and Infrastructure Regulation	WS/SS	6	P	1	sekr@wip.tu-berlin.de
70200	Open Source and IP in the Digital Society	WS/SS	6	P	1	brigitte.essoun@tu-berlin.de
70210	Fundamentals of Project Management	WS/SS	6	P	1	pm@tim.tu-berlin.de
70212	Project Seminar: Strategic Management of Cities	WS/SS	12	P	1	dodo.zuknyphausen-aufsess@tu-berlin.de

70216	Topics in Microeconomics (Seminar)	WS/SS	6	P	1	ivanova-stenzel@tu-berlin.de
70224	Seminar Productivity, Innovation, and Firm Performance	WS/SS	6	P	1	a.cullmann@tu-berlin.de
70233	Innovation Management - Process and Actors	WS/SS	6	P	1	painno@tim.tu-berlin.de
70234	Strategic Management	WS/SS	6	P	1	info@strategie.tu-berlin.de
70235	Sustainable Management and Sustainable Competitive Advantages	WS/SS	6	P	1	info@strategie.tu-berlin.de
70238	Strategic Project Management and Agile Organization	WS/SS	6	P	1	spm@tim.tu-berlin.de
70239	Managing innovative Projects - Case Study Seminar	WS/SS	6	P	1	pmseminar@tim.tu-berlin.de
70240	Student Research Project Network and Infrastructure Economics	WS/SS	12	P	1	sekr@wip.tu-berlin.de
70241	Operations Research - Graduate Summer School (OR-SUM)	WS/SS	6	P	1	or@wip.tu-berlin.de
70245	Sustainable Innovation	WS/SS	6	P	1	brigitte.essoun@tu-berlin.de
70248	Technology Management	WS/SS	12	P	1	tm@tim.tu-berlin.de
70250	Time Series Analysis	WS/SS	6	W	1	axel.werwatz@tu-berlin.de
70251	Treatment Effect Analysis	WS/SS	6	W	1	axel.werwatz@tu-berlin.de
70256	Venture Campus	WS/SS	12	P	1	venturecampus@entrepreneurship.tu-berlin.de
70271	Operations Research - Student Research Project (OR-PJS)	WS/SS	12	P	1	or@wip.tu-berlin.de

70287	Digital Innovation	WS/SS	6	P	1	brigitte.essoun@tu-berlin.de
70298	Sustainable Management Control	WS/SS	6	P	1	karola.bastini@tu-berlin.de
70301	Marketing Simulation Game	WS/SS	6	P	1	info@marketing.tu-berlin.de
70338	Production and Operations Management in the Automotive Industry	WS/SS	6	O	1	service@pom.tu-berlin.de
70341	Sustainable Production and Operations Management	WS/SS	6	O	1	service@pom.tu-berlin.de
70356	Life Science Venturing	WS/SS	6	W	1	jan.kratzer@tu-berlin.de
70358	Data Protection Law	WS/SS	6	W	1	m.haase@tu-berlin.de
70359	Topics in Microeconomics (Student Research Project)	WS/SS	12	P	1	ivanova-stenzel@tu-berlin.de
70360	Advanced Research Seminar - Innovation Management	WS/SS	6	P	1	innoseminar@tim.tu-berlin.de
70370	Regression-based Statistical Learning with R	WS/SS	6	W	1	axel.werwatz@tu-berlin.de
70372	Sustainable Innovation and Technology Landscaping	WS/SS	6	P	1	jan.kratzer@tu-berlin.de
70373	Auctions: Theory and applications	WS/SS	6	W	1	ivanova-stenzel@tu-berlin.de
70374	Empirical industrial Organization	WS/SS	6	P	1	t.duso@tu-berlin.de
70376	Current Topics in Computational Economics	WS/SS	6	P	1	anna.almosova@tu-berlin.de
70379	Innovations in Chronic Diseases Care and eHealth	WS/SS	6	P	1	verena.struckmann@tu-berlin.de

70380	Payments and Market Infrastructure	WS/SS	6	P	1	frank.heinemann@tu-berlin.de
70382	Econometrics and Machine Learning	WS/SS	6	W	1	anna.almosova@tu-berlin.de
70383	Applied Environmental Econometrics in R	WS/SS	6	P	1	a.cullmann@tu-berlin.de
70386	Industry Spotlight on Innovation Management	WS/SS	6	P	1	spotlight@tim.tu-berlin.de
70387	Experimental Finance	WS/SS	6	P	1	frank.heinemann@tu-berlin.de
70390	Advanced Seminar - Practical Innovation Management Tools	WS/SS	6	P	1	s.salomo@tu-berlin.de
70394	Design Your Happy Life	WS/SS	6	P	1	jan.kratzer@tu-berlin.de
70400	Energy Entrepreneurship	WS/SS	6	P	1	sekr@wip.tu-berlin.de
70408	Operations Research - Coding Lab (OR-LAB)	WS/SS	3	P	1	or@wip.tu-berlin.de
70409	Entrepreneurial Well-being and Psychology	WS/SS	6	P	1	jan.kratzer@tu-berlin.de
70410	Economics of Sustainability	WS/SS	6	P	1	linus.mattauch@tu-berlin.de
70412	Operations Research - Modeling Sustainable Mobility (OR-MSM)	WS/SS	6	P	1	or@wip.tu-berlin.de
70413	Policy analysis - transition to climate neutrality	WS/SS	6	P	1	karsten.neuhoff@tu-berlin.de