

Medizinische Fakultät

Promotionsfach - Biomedizinische Technik

Biomedical engineering, the application of engineering principles to the medical field is a growing interdisciplinary area of the present century. Thanks to increasing life expectancy, its potential is by far above average. In Switzerland, medical technology is a particularly well-established and well-embedded industry sector driving the international standards. Swiss companies are among the global players in key business areas such as dental implants and hearing aids. Small- to medium-sized enterprises, which occupy market niches, reap extraordinary rewards. Therefore, an increasing demand for well-educated and motivated engineers with basic medical knowledge is guaranteed.

Studienfachberatung:

PhD Program Coordinator: *Dr. Gabriela Oser, Department of Biomedical Engineering* Mail: gabriela.oser@unibas.ch, <http://dbe.unibas.ch>,* Anmeldung siehe: * <https://medizin.unibas.ch/de/karriere/doctoral-degrees/phd-dr-sc-med/>

Doktorat Biomedizinische Technik: Empfehlungen

64492-01	Blockkurs: Big Data (1 KP)	Mo 08:00-18:00 Block Grafenhausen, Hochschwarzwald, Germany 20.6.2022 - 24.06.2022	Bert Müller Najat Salameh Christine Tanner
55664-01	Blockkurs: Rapid prototyping for measurement systems, automation, control, artificial intelligence, and virtual reality (2 KP)	Mo 09:00-17:00 Gewerbstrasse 14 Block This course is offered after the semester: 15.08.2022 - 19.08.2022 1 week, each day 9:00 - 17:00 Gewerbstrasse 14, Allschwil	Nicolas Gerig Georg Rauter
63951-01	Kurs: Innovation in Cranio-Maxillofacial Surgery – Current Topics and Research (1 KP)	Mo 17:00-18:00 wöchentlich Unispital Basel, Klinikum 1, 1. Stock, Bibliothek WHC / MKG-Chirurgie (findet jeden Montag auch während der Semesterferien statt)	Bilal Msallem Florian Markus Thieringer
63953-01	Kurs: Klinische Orthopaedie und Traumatologie (1 KP)	Mi 08:15-10:00 wöchentlich Sitzungssaal 1+2 im ZLF	Yves Pascal Acklin Henrik Eckardt Christian Egloff Niklaus F. Friederich Nicola Krähenbühl Mario Morgenstern Annegret Mündermann Daniel Rikli Karl Stoffel Norbert Suhm Heide Elke Viehweger
63954-01	Seminar: Escape the Box: Computer Vision (1 KP)	Mo 11:15-12:00 Gewerbstrasse 14 wöchentlich	Philippe Claude Cattin Christoph Jud Robin Sandkühler
63952-01	Seminar: Navigation, Robotics and Lasers in Surgery (1 KP)	unregelmässig	Ferda Canbaz Sandra Drusová Manuela Eugster Sara Freund Nicolas Gerig Neha Sharma
26940-02	Seminar: Regenerative medicine Journal Club (3 KP Jahreskurs)	Do 13:30-14:30 14-täglich ZLF, DBM Seminarraum, Hebelstrasse 20, 4031 Basel	Ivan Martin
26941-02	Seminar: Tissue Engineering Reports (3 KP Jahreskurs)	Di 17:00-18:00 wöchentlich Klinikum I, Raum Knotenpunkt.	Ivan Martin



27584-01	Vorlesung: Digital Dentistry (3 KP)	Do 10:30-12:15 Gewerbstrasse 14, Vorlesungsraum DBE 14.03.002 wöchentlich	Andrés Izquierdo Kurt Hans Jäger Bert Müller Melissa Osterwalder Georg Schulz Guido Sigron Christine Tanner Tino Töpfer Jeannette Astrid von Jackowski
48186-01	Vorlesung: Laser and Optics in Medicine (4 KP)	Mi 10:15-12:00 Gewerbstrasse 14, Vorlesungsraum DBE 14.03.002 wöchentlich	Yakub Bayhaqi Ferda Canbaz Sandra Drusová Arsham Hamidi
48882-01	+ Vorlesung mit Übungen: Applied control (5 KP)	Mo 09:15-12:00 Gewerbstrasse 14 wöchentlich	Nicolas Gerig Georg Rauter