

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

55664-01	Blockkurs: Rapid prototyping for measurement systems, automation, control, artificial intelligence, and virtual reality (2 KP)	Block 13.02.2023 - 17.02.2023 each day 9:00 - 17:00 Hegenheimermattweg 167b, 4123 Allschwil	Nicolas Gerig Georg Rauter
66131-01	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 Neha Sharma Florian Markus Thieringer
66133-01	Kurs: Klinische Orthopaedie und Traumatologie (1 KP)	Mi 08:15-10:00 - Siehe Bemerkung wöchentlich Sitzungssaal 1+2 im ZLF	Yves Pascal Acklin Martin Clauss Henrik Eckardt Christian Egloff Niklaus F. Friederich Nicola Krähenbühl Mario Morgenstern Marc Andreas Müller Annegret Mündermann Daniel Rikli Karl Stoffel Norbert Suhm Heide Elke Viehweger
66134-01	Seminar: Escape the Box: Deep Learning (1 KP)	Mo 11:15-12:00 Gewerbstrasse 14, Vorlesungsraum DBE 14.03.002 wöchentlich	Florentin Bieder Philippe Claude Cattin Robin Sandkühler Julia Wolleb
66132-01	Seminar: Navigation, Robotics and Lasers in Surgery (1 KP)	unregelmässig	Ferda Canbaz Manuela Eugster Sara Freund Nicolas Gerig Neha Sharma
26940-01	Seminar: Regenerative medicine Journal Club (3 KP Jahreskurs)	Do 13:30-14:30 - Siehe Bemerkung 14-täglich Thursday, 13.30-14.30 ZLF, DBM Seminarraum Hebelstrasse 20, 4031 Basel	Ivan Martin
66135-01	Seminar: Selected Research Topics in Biomedical Engineering - Biomechanics and Human Movement (2 KP)	Mi 12:00-13:30 Anatomie, Hörsaal 52 unregelmässig Universitätsspital Basel, Klinikum 1, Hörsaal 2	Annegret Mündermann Corina Nüesch Georg Rauter Morgan Sangeux Heide Elke Viehweger
26941-01	Seminar: Tissue Engineering Reports (3 KP Jahreskurs)	Di 17:00-18:00 wöchentlich Tuesday, 17.00-18.00 Klinikum I, Raum Knotenpunkt.	Ivan Martin
59975-01	Seminar mit Übung: Open science: principles and practices for better research (1 KP)	Do 16:30-17:30 - Online Präsenz - wöchentlich	Tugba Akinci D'Antonoli Xeni Deligianni Francesco Santini Claudia Weidensteiner