

Überblick Masterstudiengang Sport Exercise Science

| Module-number | Strand | CP | Title of module | Responsible | R/E ¹ | Form | SWS ² | Title of course | Exam (german/english), duration |
|---------------|--------|----|-----------------|-------------|------------------|------|------------------|-----------------|---------------------------------|
|---------------|--------|----|-----------------|-------------|------------------|------|------------------|-----------------|---------------------------------|

¹ required/elective module

² weekly hours per semester

| 1st semester | | | | | | | | | |
|--------------|-------|---|--|--------------|---|----|---|---|---|
| SG860001 | A | 8 | Biomechanics, human movement and neuromechanical control | Franklin | R | V | 1 | Biomechanics | Klausur/written exam 90 min |
| | | | | | | V | 1 | Human Movement Science | |
| | | | | | | V | 1 | Neuromechanical Control | |
| | | | | | | Se | 1 | Biomechanical tests and current research questions | |
| | | | | | | Se | 1 | Research in Neuromechanical Control | |
| Se | 1 | Classical and contemporary research in human movement science | | | | | | | |
| SG860002 | B | 8 | Current topics in exercise biology, performance analysis & testing | Wackerhage | R | L | 1 | Current topics in exercise biology | Klausur/written exam 90 min |
| | | | | | | L | 2 | Current topics in performance analysis & testing | |
| | | | | | | Se | 2 | Current topics in exercise biology | |
| | | | | | | Se | 1 | Current topics in performance analysis & testing | |
| SG860003 | C | 6 | Current social and political topics of sports in global societies | Königstorfer | R | L | 2 | Current social and political topics of sports in global societies | Klausur/written exam 90 min |
| | | | | | | Se | 2 | Current social and political topics of sports in global societies | |
| SG860000 | A/B/C | 3 | Exam module: debating | Wackerhage | R | | | See SG860001/SG860002/SG860003 | Übungsleistung/Exercise |
| SG810002 | D | 5 | Study Design, Ethics | Klug | R | L | 2 | Advanced Study Design; Ethics | wiss. Ausarbeitung + Klausur research paper + written exam 90 min |
| | | | | | | Se | 2 | Applied Study Design; Ethics | |

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| 2nd semester | | | | | | | | | |
|---|---|---|--|-------------|---|----|---|--|-------------------------------------|
| SG810003 | D | 5 | Advanced Statistics | Klug | R | V | 2 | Advanced Statistics | Klausur/written exam 90 min |
| | | | | | | Se | 2 | Applied Statistics | |
| SG810004 | D | 5 | Scientific Data Processing | Link | R | Se | 4 | Scientific Data Processing | Klausur/written exam 90 min |
| Choose 4 (20 Credits, at least 1 of each strand) | | | | | | | | | |
| SG860006 | A | 5 | Methods in Neuromechanics | Franklin | E | L | 1 | Neuromechanics Methods | Klausur/written exam 60 min |
| | | | | | | Ex | 3 | Neuromechanics Methods | |
| SG860004 | A | 5 | Biomechanical methods and application | Seiberl | E | L | 2 | Applied biomechanical research | mündl. Prüfung/oral exam 20 min |
| | | | | | | Ex | 2 | Application of biomechanical research methods | |
| SG860005 | A | 5 | Methods in Human Movement Science | Hermsdörfer | E | Se | 1 | Principles of research paradigms in human movement science | Präsentation/presentation |
| | | | | | | Ex | 2 | Application of research methods in human movement science | |
| SG860007 | B | 5 | Exercise biology methods | Wackerhage | E | Se | 1 | Exercise biology methods | Laborleistung/laboratory assignment |
| | | | | | | Ex | 3 | Exercise biology methods | |
| SG860008 | B | 5 | Methods of performance analysis and testing | Lames | E | Se | 2 | Methods of Action Detection | Laborleistung/laboratory assignment |
| | | | | | | Se | 2 | Methods of Position Detection | |
| SG860009 | C | 5 | Mind- Body Interactions for Health and Wellbeing | Beckmann | E | Se | 1 | Mental Health and Sport | Laborleistung/laboratory assignment |
| | | | | | | Se | 1 | Well-being and resilience | |
| | | | | | | Ex | 1 | Embodied Interventions | |
| SG860010 | C | 5 | Intervention Methods in Performance Psychology | Ehrlenspiel | E | Se | 1 | Performance Psychology | Laborleistung/laboratory assignment |
| | | | | | | Se | 1 | Differential Psychology of Sport | |
| | | | | | | Ex | 1 | Writing a psychological evaluation report | |

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| 3rd semester | | | | | | | | | |
|--------------------------------|---|---|--|--------------|---|----|---|---|-----------------------------------|
| WI001158 | D | 5 | Entrepreneurial Opportunity Development | Patzelt | R | L | 2 | Entrepreneurial Opportunity Development | Projektarbeit |
| Free | D | 5 | Softskills | | E | | | | |
| Choose 4 (20 Credits required) | | | | | | | | | |
| SG860011 | A | 5 | Movement science specialization | Hermsdörfer | E | Se | 1 | Movement Science Journal Club | wiss. Ausarbeitung/research paper |
| | | | | | | Ex | 2 | Specialisation in Human Movement Science | |
| SG860012 | A | 5 | Neuromuscular Control and Learning | Franklin | E | L | 4 | Neuromuscular Control and Learning | Präsentation/presentation |
| | | | | | | Ex | 2 | Neuromuscular Control and Learning Laboratory | |
| SG860013 | A | 5 | Human Robotics | Franklin | E | L | 2 | Human Robotics | Präsentation/presentation |
| | | | | | | Se | 2 | Seminar in Human Robotics | |
| SG860019 | A | 5 | Biomechanics for strength and conditioning in elite sports | Seiberl | E | L | 2 | Biomechanics for strength and conditioning in elite sports | Präsentation/presentation |
| | | | | | | SE | 2 | Methods in biomechanical performance analysis - strength and conditioning in elite sports | |
| SG860020 | A | 5 | Muscle function and human movement studies | Seiberl | E | L | 2 | Muscle function and human movement studies | Präsentation/presentation |
| | | | | | | Se | 1 | High-end biomechanical methods in muscle function and human movement analysis | |
| SG860014 | B | 5 | Exercise Biology Specialisation | Wackerhage | E | L | 1 | Exercise Biology Specialisation | wiss. Ausarbeitung/research paper |
| | | | | | | Se | 3 | Exercise Biology Specialisation | |
| SG860015 | B | 5 | Performance Analysis Specialization | Lames | E | Se | 2 | Performance Analysis Specialization | wiss. Ausarbeitung/research paper |
| | | | | | | Ex | 2 | Performance Analysis Specialization | |
| SG860016 | B | 5 | Sports Informatics | Link | E | Se | 2 | Sports Informatics Specialization | Projektarbeit/project work |
| | | | | | | Ex | 2 | Sports Informatics Specialization | |
| SG860017 | C | 5 | Participation and Inclusion | N.N. | E | Se | 2 | (Dis-)ability, Diversity and Inclusion | Präsentation/presentation |
| | | | | | | Se | 2 | Inclusive Sport Events | |
| SG860018 | C | 5 | Psychophysiology of Stress in Sport | Beckmann | E | Se | 2 | Psychophysiology of Stress | Projektarbeit/project work |
| | | | | | | Ex | 1 | Psychophysiology Lab | |
| SG810005 | C | 5 | Qualitative Research Methods | Karsch | E | Se | 2 | Methodology of Qualitative Research | Bericht/report |
| | | | | | | Ex | 2 | Methods of Qualitative Data Inquiry and Analysis | |
| SG8000160 | C | 6 | Sponsorship-Linked Marketing | Königstorfer | E | L | 2 | Sponsorship-linked Marketing | Klausur/written exam 60 min |
| | | | | | | Se | 2 | Sponsorship-linked Marketing | |