**Flying Faculty**

**Course titles**

Please find here the courses that the school/department would like to have covered via Flying Faculty participants. Some departments are still empty, this document will be updated constantly.

**School of Applied Medical Sciences (SAMS)**[[1]](#footnote-1)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Department | Course title | Hours covered  | integrated into another lecture or independent lecture | When should the course take place (1st/2nd semester/ summer session) | Which students will attend (BA/MA) | In which language should this course be conducted (German/English) | In which form should be course be conducted (online, on campus, hybrid) | Additional comments |
| Biomedical Engineering[[2]](#footnote-2)  |  |  |  |  |  |  |  |  |
| Pharmaceutical and Chemical Engineering (PCE)[[3]](#footnote-3) | Pharmaceutical Plant Design |  |  |  |  |  |  |  |
| PCE | Units Operation and Industrial Safety |  |  |  |  |  |  |  |
| PCE | Medicinal Chemistry |  |  |  |  |  |  |  |
| PCE | Pharmaceutical Packaging Technology |  |  |  |  |  |  |  |
| PCE | Hazardous Waste and Risk Management |  |  |  |  |  |  |  |
| PCE | Quality Assurance and Process Validation |  |  |  |  |  |  |  |

**School of Applied Technical Sciences (SATS)[[4]](#footnote-4)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Department | Course title | Hours covered by Flying Faculty  | integrated into another lecture or independent lecture | When should the course take place (1st/2nd semester/ summer session) | Which students will attend (BA/MA) | In which language should this course be conducted (German/English) | In which form should be course be conducted (online, on campus, hybrid) | Additional comments |
| Mechatronics Engineering (ME)[[5]](#footnote-5) | ME555Machine Intelligence |  25 |  Integrated  | Second Semester | BSc | English | On-campus |  |
| ME | ME551Robotics | 25 | Integrated | First Semester | BSc | English | On-campus |  |
| ME | ME589Automation and Industry 4.0  | 48 | Independent  | Second Semester | Bsc | English | On-campus | Top priorityas anelectiveprogramcourse |
| ME | ME568Embedded Systems | 48 | Independent | First Semester | BSc | English | On-campus | Top priorityas anelectiveprogramcourse |
| ME | All other elective courses | 48 teaching hours | Independent | 1st and 2nd summer semester 2022 | BSc | German/English | Flexible  | Electivecourses thatcan be fullyhandled bya ProfessorfromGermany |
| Industrial Engineering (IE)[[6]](#footnote-6) |  |  |  |  |  |  |  |  |
| Mechanical and Maintenance Engineering (MME/MECH)[[7]](#footnote-7) | HVAC | TBD | Integrated | 2nd Semester | BSc | English | Flexible  | Courseinstructor:Dr. RafatAlwaked |
| MECH | Mechanics of Material | TBD | Integrated | 2nd Semester | Bsc | English | Flexible  | Courseinstructor:Dr. AhmadAl-Muhtady |
| MECH | Statics and Strength of Materials | TBD | Integrated | 2nd Semester | BSc | English | Flexible | Courseinstructor:Dr. AhmadAl-Muhtady |
| MECH | Renewable Energy | TBD | Integrated or independent | 1st or 2nd semester of 2022 | BSc | English | Flexible  | Courseinstructor:Dr. BasharHammad |
| MECH | Reliability and Quality Control | TBD | Integrated | 1st or 2nd semester of 2022 | BSc | German/English | Flexible | Courseinstructor:Dr. SameerAl-Dahidi |
| MECH | All MECH elective courses  | TBD | Independent | 1st or 2nd semester of 2022 | BSc | German/English | Flexible | Electivecourses thatcan be fullyhandled bya ProfessorfromGermany |

**School of Applied Humanities and Languages (SAHL)[[8]](#footnote-8)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Department | course title | Hours covered by Flying Faculty  | integrated into another lecture or independent lecture | When should the course take place (1st/2nd semester/ summer session) | Which students will attend (BA/MA) | In which language should this course be conducted (German/English) | In which form should be course be conducted (online, on campus, hybrid) | Additional comments |
| Languages[[9]](#footnote-9) |  |  |  |  |  |  |  |  |
| Social Work[[10]](#footnote-10) |  |  |  |  |  |  |  |  |

**School of Electrical Engineering and Information Technology (SEEIT)[[11]](#footnote-11)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Department | course title | Hours covered by Flying Faculty  | integrated into another lecture or independent lecture | When should the course take place (1st/2nd semester/ summer session) | Which students will attend (BA/MA) | In which language should this course be conducted (German/English) | In which form should be course be conducted (online, on campus, hybrid) | Additional comments |
| Computer Science (CS)[[12]](#footnote-12) | CS365 Systems Analysis and Design | 3 Credit hours48 lecture hours |  |  |  |  |  |  |
| CS | CS213 Component-Based Computing and Web Applications Development | 4 Credit hours48 lecture hours  |  |  |  |  |  |  |
| CS | CS477 Mobile Computing | 3 Credit hours 32 lecture hours  |  |  |  |  |  |  |
| CS | Interaction Design & Usability (CS483 Special Topics in Applied Computer Science) | 3 Credit hours  |  |  |  |  |  |  |
| Computer Engineering[[13]](#footnote-13) |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Electrical Engineering[[14]](#footnote-14) | Electronics II  |  |  |  |  |  |  |  |
| Electrical Engineering  | Entrepreneurship in Electrical Engineering  |  |  |  |  |  |  |  |

**School of Architecture and Built Environment (SABE)[[15]](#footnote-15)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Department | course title | Hours covered by Flying Faculty  | integrated into another lecture or independent lecture | When should the course take place (1st/2nd semester/ summer session) | Which students will attend (BA/MA) | In which language should this course be conducted (German/English) | In which form should be course be conducted (online, on campus, hybrid) | Additional comments |
| Architecture &InteriorArchitecture Department[[16]](#footnote-16) | ARCH 354Project Management and Site Organization I | 15 | - | 1st semester | BA | English | On Campus  |  |
| Architecture &InteriorArchitecture Department | SP 770Sustainable Planning 1 | 22 | -- | 1st semester | BA/MA | English | Online / On Campus  |  |
| Architecture &InteriorArchitecture Department | ARC211Architectural Design: Methods &Typologies | 18 | - | 1st semester | BA | English | On Campus |  |
| Architecture &InteriorArchitecture Department | IARC212Principles of InteriorDesign | 3 | - | 1st semester | BA | English | On Campus |  |
| Design and Visual Communication[[17]](#footnote-17) |  |  |  |  |  |  |  |  |

**School of Basic Sciences and Humanities (SBSH)[[18]](#footnote-18)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Department | Course title | Hours covered by Flying Faculty  | integrated into another lecture or independent lecture | When should the course take place (1st/2nd semester/ summer session) | Which students will attend (BA/MA) | In which language should this course be conducted (German/English) | In which form should be course be conducted (online, on campus, hybrid) | Additional comments |
|  |  |  |  |  |  |  |  |  |

**School of Management and Logistic Sciences (SMLS)[[19]](#footnote-19)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Department | Course title | Hours covered by Flying Faculty  | integrated into another lecture or independent lecture | When should the course take place (1st/2nd semester/ summer session) | Which students will attend (BA/MA) | In which language should this course be conducted (German/English) | In which form should be course be conducted (online, on campus, hybrid) | Additional comments |
| International Accounting[[20]](#footnote-20)  |  |  |  |  |  |  |  |  |
| Logistic Sciences[[21]](#footnote-21) |  |  |  |  |  |  |  |  |
| Management Sciences[[22]](#footnote-22)  |  |  |  |  |  |  |  |  |

**School of Natural Resources Engineering Management (SNREM)[[23]](#footnote-23)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Department | Course title | Hours covered by Flying Faculty  | integrated into another lecture or independent lecture | When should the course take place (1st/2nd semester/ summer session) | Which students will attend (BA/MA) | In which language should this course be conducted (German/English) | In which form should be course be conducted (online, on campus, hybrid) | Additional comments |
| Civil & Environmental Engineering (CEE)[[24]](#footnote-24) | Solid Waste Management | 3 | integrated into another lecture | Any semester | BA | English | online, on campus |  |
| CEE | Water resources Engineering | 3 or 48 | integrated into another lecture independent lecture | Any semester | BA | English German | online, on campus, hybrid |  |
| CEE | Advanced topics inenvironmental engineering | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Pre-stressed concrete | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Bridge engineering | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Advanced reinforced concrete | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Earthquake Engineering | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Timber structures | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Advanced steel structures | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Structural systems | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Advanced topics in StructuralEngineering | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Traffic safety andmanagement | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Infrastructure Maintenanceand Management | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Urban Mobility & PublicTransportation | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Advanced topics inTransportation engineering | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Dam Engineering | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Geographic Informationsystems | 3-6 or 48 | integrated into another lecture independent lecture | Any semester | BA | English German | online, on campus, hybrid |  |
| CEE | Advanced topics ingeotechnical engineering | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Building Construction | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Construction machines | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Advanced topics in ProjectManagement | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Special topics | 20 | independent lecture | Any semester | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Special topics | 32 | independent lecture | Any semester | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Special topics | 48 | independent lecture | Any semester | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Irrigation Engineering | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Introduction to Biotechnology | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Environmental and WaterMicrobiology | 3-6 or 48 | integrated into another lectureindependent lecture | Any semester | BA | EnglishGerman | online, on campus, hybrid |  |
| CEE | Disposal logistics | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Pollution Control of theAquatic Environment | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Water Supply andWastewater collection | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | International EnvironmentalLaw | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Process Engineering | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Process Operation | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Advanced Wastewatertreatment | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Drinking water abstractionand distribution | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Groundwater Modeling andDynamics | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Environmental and Water Lawand Policy | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Heat and Mass transfer | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Water Supply andWastewater Collection | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Environmental unit processand operation | 3 | integrated into another lecture | Any semester | BA | English | online, on campus, hybrid |  |
| CEE | Hydraulic structure | 3 | integrated into another lecture | Any semester | BA | English | online, on campus, hybrid |  |
| CEE | Water and Wastewater Reuse | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |
| CEE | Advanced topics in Water andEnvironmental engineering | 48 | independent lecture | None | BA | German | online, on campus, hybrid | It is an elective course, so it does not offered officially unless it is requested |

**Graduate School of Business Administration (GSBA)[[25]](#footnote-25)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Department | course title | Hours covered by Flying Faculty  | integrated into another lecture or independent lecture | When should the course take place (1st/2nd semester/ summer session) | Which students will attend (BA/MA) | In which language should this course be conducted (German/English) | In which form should be course be conducted (online, on campus, hybrid) | Additional comments |
|  |  |  |  |  |  |  |  |  |

**German Language Center (GLC)[[26]](#footnote-26)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Department | Course title | Hours covered by Flying Faculty  | integrated into another lecture or independent lecture | When should the course take place (1st/2nd semester/ summer session) | Which students will attend (BA/MA) | In which language should this course be conducted (German/English) | In which form should be course be conducted (online, on campus, hybrid) | Additional comments |
| GLC | In-class Training | 45 | Integrated | 1 st semester | BA | German | On campus |  |
| GLC | Reflections on teaching methods | 36 | Independent lecture | 2 nd semester | BA/MA | German | On campus | Title to be specified |
| GLC | Reflections on teaching methods | 36 | Independent lecture | 2 nd semester | BA/MA | German | On campus | Title to be specified |

1. <http://www.gju.edu.jo/content/school-applied-medical-sciences-sams-809> [↑](#footnote-ref-1)
2. <http://www.gju.edu.jo/content/biomedical-engineering-813> [↑](#footnote-ref-2)
3. <http://www.gju.edu.jo/content/pharmaceutical-chemical-engineering-814> [↑](#footnote-ref-3)
4. <http://www.gju.edu.jo/content/school-applied-technical-sciences-379> [↑](#footnote-ref-4)
5. <http://www.gju.edu.jo/content/mechatronics-and-artificial-intelligence-engineering-984> [↑](#footnote-ref-5)
6. <http://www.gju.edu.jo/content/industrial-engineering-983> [↑](#footnote-ref-6)
7. <http://www.gju.edu.jo/content/mechanical-and-maintenance-engineering-992> [↑](#footnote-ref-7)
8. <http://www.gju.edu.jo/content/school-applied-humanities-and-languages-383> [↑](#footnote-ref-8)
9. <http://www.gju.edu.jo/content/department-languages-12460> [↑](#footnote-ref-9)
10. <http://www.gju.edu.jo/content/department-social-work-6494> [↑](#footnote-ref-10)
11. <http://www.gju.edu.jo/content/school-electrical-engineering-and-information-technology-381> [↑](#footnote-ref-11)
12. <http://www.gju.edu.jo/content/computer-science-834> [↑](#footnote-ref-12)
13. <http://www.gju.edu.jo/content/computer-engineering-835> [↑](#footnote-ref-13)
14. <http://www.gju.edu.jo/content/electrical-engineering-836> [↑](#footnote-ref-14)
15. <http://www.gju.edu.jo/content/school-architecture-and-built-environment-380> [↑](#footnote-ref-15)
16. <http://www.gju.edu.jo/content/department-architecture-and-interior-architecture-960> [↑](#footnote-ref-16)
17. <http://www.gju.edu.jo/content/department-design-and-visual-communication-961> [↑](#footnote-ref-17)
18. <http://www.gju.edu.jo/content/school-basic-sciences-and-humanities-4151> [↑](#footnote-ref-18)
19. <http://www.gju.edu.jo/content/school-management-and-logistic-sciences-386> [↑](#footnote-ref-19)
20. <http://www.gju.edu.jo/content/international-accounting-862> [↑](#footnote-ref-20)
21. <http://www.gju.edu.jo/content/logistics-sciences-868> [↑](#footnote-ref-21)
22. <http://www.gju.edu.jo/content/management-sciences-872> [↑](#footnote-ref-22)
23. <http://www.gju.edu.jo/content/school-natural-resources-engineering-and-management-382> [↑](#footnote-ref-23)
24. <http://www.gju.edu.jo/content/departments-civil-environmental-engineering-938> [↑](#footnote-ref-24)
25. <http://www.gju.edu.jo/content/graduate-school-business-administration-7656> [↑](#footnote-ref-25)
26. <http://www.gju.edu.jo/content/german-language-center-11616> [↑](#footnote-ref-26)