A general word of advice: Less is more! If you are studying online from abroad, it is recommended not to take more than 15 credits worth of courses in your first semester. It is better to concentrate on 2-3 of the following courses and prepare them thoroughly than to overdo it with your workload. As an international student, you will be unfamiliar with the teaching style, exam design and the previous knowledge that is expected of you. Start studying from the first week of classes and keep on studying regularly until the exam day. The exams are not suitable for last minute binge studying! Don't be shy and ask questions on the online platforms whenever you have doubts about the study content. Our classes are designed to be interactive and our lecturers/tutors are happy if you ask them questions!

- **Pattern Recognition (module group M2 for "Medical Image and Data Processing" and "Health & Medical Data Analytics and Entrepreneurship; for "Medical Robotics", this course can be used in module group M7 or M8)**
  - 5 ECTS credits
  - Responsible lecturer/examiner: Prof. Andreas Maier
  - Modality: self-study with videos on www.fau.tv, materials in StudOn & on-site exam in Erlangen
  - Join StudOn: https://www.studon.fau.de/crs5224935_join.html

- **Diagnostic Medical Image Processing (module group M3 for "Medical Image and Data Processing" and "Health & Medical Data Analytics and Entrepreneurship; for "Medical Robotics", this course can be used in module group M7 or M8)**,
  - 5 ECTS credits
  - Responsible lecturer/examiner: Prof. Andreas Maier
  - Modality: self-study with videos and materials offered via the e-learning platform "Virtual University Bavaria" (VHB) & on-site exam in Erlangen
  - Type "Medical Image Processing for Diagnostic Applications" in "Suche" at https://www.vhb.org/ **Please register at VHB with the study program "Gesundheitstechnik"!**

- **Biomedizinische Signalanalyse/Biomedical Signal Analysis (module group M3 for "Medical Image and Data Processing" and "Health & Medical Data Analytics and Entrepreneurship"; for "Medical Robotics", this course can be used in module group M7 or M8)**
  - 5 ECTS credits
  - Responsible lecturer/examiner: Prof. Björn Eskofier
  - Modality: self-study with videos and materials in StudOn & on-site exam in Erlangen
  - Join StudOn: https://www.studon.fau.de/crs5276829_join.html

- **Human-Robot Co-Adaptation (module group M3 for "Medical Robotics"; for "Medical Image and Data Processing", this course can be used in module group M7 or M8; for "Health & Medical Data Analytics and Entrepreneurship" this course can be used in M8 only)**
  - 5 ECTS credits
  - Responsible lecturer/examiner: Prof. Claudio Castellini
  - Modality: self-study with videos on www.fau.tv, materials in StudOn & on-site exam in Erlangen
  - Join StudOn: https://www.studon.fau.de/crs5247723_join.html

If you want/need to improve your Python programming:

- **Algorithms, programming, and data representation (can be used in module group M8 of all branches of study)**
    - 10 ECTS credits (5 of which can be used in module group M8, the remaining 5 credits cannot be used elsewhere)
    - Responsible lecturer/examiner: Prof. Bernhard Kainz
    - Modality: Lectures (live stream and recorded) & online exam. Tutorials and Q&A will be on the MS Teams Module Lab queue
    - Materials in StudOn: https://www.studon.fau.de/crs5223653_join.html

If you want/need an introduction to Deep Learning:

- **Deep Learning for Beginners (can be used in module group M8 of all branches of study)**
    - 2,5 ECTS credits
    - Responsible lecturer/examiner: Prof. Andreas Maier
    - Modality: self-study with videos and materials offered via the e-learning platform "Virtual University Bavaria" (VHB) & on-site exam in Erlangen
    - Type "Deep learning for beginners" in "Suche" at https://www.vhb.org/ **Please register with the study program "Gesundheitstechnik"!**

Cannot be used in your curriculum, but is HIGHLY recommended for managing daily life in Germany:

- **Deutsch als Fremdsprache A1: German after English (German beginners course, mainly for reading and listening skills)**
    - Workload of 3 ECTS credits, which cannot be used for your studies
    - Responsible lecturer: Dr. Thomas Stahl
    - Modality: self-study with videos and materials offered via the e-learning platform "Virtual University Bavaria" (VHB), possibility to contact tutors via email
    - Type "German after English" in "Suche" at https://www.vhb.org/ Choose the "classic" course, not the "open" course. **Please register at VHB with the study program "Gesundheitstechnik"!**
    - Registration period from Oct 1 to Oct 31!

Important resources:

Technical problems with VHB platform: technik@vhb.org
Technical problems with StudOn: studon@fau.de
Technical problems with Campo: campo@fau.de
Course-related questions: Please ask in the StudOn forum of your course!

In urgent, important cases you can look up the contact details of your FAU lecturers in http://www.univis.fau.de/

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