

<b>Module title</b> Privacy and data security in medicine			
<b>Module code</b> DDSM	<b>Level</b> Bachelor (B.Sc.)	<b>ECTS credits</b> 5	<b>Duration</b> Regular course with weekly lectures
<b>Module instructor</b> Prof. Dr. Raptis OTH Regensburg	<b>Lecture type</b> Tbd.	<b>Prerequisite(s)</b> Tbd.	<b>Grading</b> Tbd.
<b>Objectives</b> <ul style="list-style-type: none"> <li>- Students master the basics of medical confidentiality and its effects on information technology.</li> <li>- Students master the methods and tools to ensure information security in doctors' practices and hospitals.</li> <li>- Students acquire sound knowledge in the field of information security in eHealth applications and telemedicine.</li> </ul>			
<b>Content</b> What is meant by "privacy and data security" in medicine? Not just confidentiality of patient data! We deal with the following aspects: <ul style="list-style-type: none"> <li>- Brief introduction to selected basics of IT security</li> <li>- How can I secure a medical practice? What do I have to do?</li> <li>- What do I have to do in the hospital to secure patient data? What is important for secure archiving? What do I have to consider when developing software for practices and hospitals?</li> <li>- Advanced topics: Authentication and Identity Management in Healthcare IT. Technical data protection in the German eHealth infrastructure. Information security in telemedicine.</li> </ul>			
<b>Textbook/teaching material</b> <ul style="list-style-type: none"> <li>- Lecturer provided slides</li> </ul>			

Note: this is not the official course descriptor according to the "Studien- und Prüfungsordnung" (SPO)