

<b>Module title</b>		<b>Abbreviation</b>
Machine Learning in Bioinformatics		07-MLBI-202-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Bioinformatics		Institute of Computer Science
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	--
<b>Contents</b>		
Machine learning are powerful computational methods with numerous application in bioinformatics. In this course we shed light on several different machine learning approaches and discuss how they help to answer biological questions.		
<b>Intended learning outcomes</b>		
Knowledge about the different concepts and techniques of machine learning and big data analysis as well as the competence to apply this for solving bioinformatical questions.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (2) + Ü (2) Module taught in: English		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
Written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English Creditable for bonus		
<b>Allocation of places</b>		
10 places. Should the number of applications exceed the number of available places, places will be allocated by lot.		
<b>Additional information</b>		
--		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
--		
<b>Module appears in</b>		
Master's degree (1 major) eXtended Artificial Intelligence (xtAI) (2020)		