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|--|--------------------------|--|
| <b>Module title</b>  |                          | <b>Abbreviation</b>  |
| Basics of Applied Mechanics  |                          | 99-TM-152-m01  |
| <b>Module coordinator</b>  |                          | <b>Module offered by</b>                                   |
| Dean of the Faculty of Mechanical Engineering at the University of Applied Sciences Würzburg-Schweinfurt   |                          | University of Applied Sciences Würzburg-Schweinfurt (FHWS) |
| <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   | undergraduate            | --   |
| <b>Contents</b>  |                          |  |
| Basics of statistics, strength of materials and dynamics.  |                          |  |
| <b>Intended learning outcomes</b>  |                          |  |
| The students gain methodological competence in determining forces and stress resultants, in calculating tensions and deformations and in dimensioning components.  |                          |  |
| <b>Courses</b> (type, number of weekly contact hours, language – if other than German)   |                          |  |
| V (3) + Ü (1)  |                          |  |
| <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)   |                          |  |
| a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes)<br>Assessment offered: Once a year, winter semester<br>Language of assessment: German and/or English |                          |  |
| <b>Allocation of places</b>  |                          |  |
| --   |                          |  |
| <b>Additional information</b>  |                          |  |
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| <b>Workload</b>  |                          |  |
| 150 h  |                          |  |
| <b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)   |                          |  |
| --   |                          |  |
| <b>Module appears in</b>   |                          |  |
| Bachelor' degree (1 major) Functional Materials (2015)<br>Bachelor' degree (1 major) Functional Materials (2021)   |                          |  |