

Department	07 Computer Science and Mathematics
Course title	Technical Writing in Computer Science and Engineering
Hours per week (SWS)	4
Number of ECTS credits	5
Course objective	<ul style="list-style-type: none">• Enable participants to produce technical and academic documents according to the English language writing standards.• Sensitise students for the need of document usability and readability.• Provide students with the tools necessary to write and revise their technical and academic documents effectively.
Prerequisites	Profound knowledge in English (intermediate -- post-intermediate).
Recommended reading	<ul style="list-style-type: none">• Knuth, Donald E., et al. <i>Mathematical writing</i>. No. 14. Cambridge University Press, 1989.• Rechenberg, Peter. <i>Technisches Schreiben:(nicht nur) für Informatiker</i>. Hanser Verlag, 2006.• Roberts, Jamie Q., and Robert Buch. <i>Essentials of essay writing: What markers look for</i>. Bloomsbury Publishing, 2017.
Teaching methods	Practical seminar with hands-on writing tasks, distance learning over Moodle and Zoom
Assessment methods	Home assignments (Iterative steps to essay, peer-reviews, 40% of the grade), Term paper (Argumentative essay, 60% of the grade).
Language of instruction	English
Name of lecturer	Dr. phil. Aniko Balazs
Email	aniko.balazs@hm.edu
Course content	<ul style="list-style-type: none">• Technical writing and its genres - text analysis• Background of the reception and production of academic and technical text types• Norms of the professional communication in writing• Contrastive analysis of the English and German writing standards - intercultural aspects• Process-oriented writing - specificities and organisation• Texting for different applications and audiences• Demands on communicating technical contents in computer science and diverse fields of engineering
Remarks	The link to course LMS in Moodle will be sent to registered participants a few days before course start.