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| **Department** | 07 Computer Science and Mathematics |
| **Course title** | **Technical Writing in Computer Science** |
| **Hours per week (SWS)** | 4 |
| **Number of ECTS credits** | 5 |
| **Course objective** | > Enable participants to produce technical documents according to the English language writing standards.<br>> Sensitise students for the need of document usability and readability.<br>> Provide students with the tools necessary to write and revise their documents effectively. |
| **Prerequisites** | Profound knowledge in English (intermediate -- post-intermediate). |
| **Recommended reading** | > Rechenberg, P., "Technisches Schreiben (nicht nur) für Informatiker," 2nd ed., München-Wien: Hanser, 2003.<br>> Gopen, G. D. and Swan, J. A., "The Science of Scientific Writing," American Scientist, vol. 78, pp. 550-558, Nov.1990.<br>> Knuth, D.E. et al., "Mathematical Writing," MAA Notes, no. 14, The Mathematical Association of America, 1989. |
| **Teaching methods** | Practical seminar with hands-on writing tasks, supported by e-learning |
| **Assessment methods** | Home assignments and presentation (40%), written examination (90 min., 60%). |
| **Language of instruction** | English |
| **Name of lecturer** | Dr. phil. Aniko Balazs |
| **Email** | aniko.balazs@hm.edu |
| **Link** | http://www.cs.hm.edu/die_fakultaet/ansprechpartner/lehrbeauftragte/index.html |
| **Course content** | > Technical writing and its genres - text analysis<br>> Background of the reception and production of scientific and technical text types<br>> Norms of the professional communication in writing<br>> Contrastive analysis of the English and German writing standards - intercultural aspects<br>> Process-oriented writing - specificities and organisation<br>> Texting for different applications and audiences<br>> Demands on communicating technical contents in computer science<br>> Writing in the Web - from the E-mail to the electronic documentation |
| **Remarks** | |