

Courses in English Course Description

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| Department | 05 Technical Systems, Processes and Communication |
| Course title | Sustainable Development |
| Course number | |
| Hours per week (SWS) | 2 |
| Number of ECTS credits | 2.5 |
| Course objective | Analytical skill to analyse the conception and the assessment of the processes of paper technology, taking into account ethics, ecology and economy, and the sustainability of processes and products. |
| Prerequisites | None |
| Recommended reading | Papermaking Science and Technology, Volume 2, Forest Resources and Sustainable Management, Second Edition, Edited by Seppo Kellomäki, Fapet Oy, Finland, ISBN 952-5216-02-0 |
| Teaching methods | Seminar-type teaching |
| Assessment methods | Written exam |
| Language of instruction | English |
| Name of lecturer | Dr. Wilhelm Demharter |
| Email | wilhelm.demharter@hm.edu |
| Link | https://moodle.hm.edu/enrol/index.php?id=13257 |
| Course content | <ul style="list-style-type: none"><input type="checkbox"/> Definition of sustainability and sustainable development - General overview<input type="checkbox"/> Ecological basics, material, and life cycles<input type="checkbox"/> Sustainability (sustainability concepts) in relation to energy, water, raw materials, environment,<input type="checkbox"/> Potentials for sustainable development in the paper industry - Focus on sustainability in the paper industry - Environmental reports from the paper industry<input type="checkbox"/> Sustainable forest management<input type="checkbox"/> Environmental Management Systems in the paper industry (ISO 14000, EMAS...)<input type="checkbox"/> Eco-labels in the paper industry: FSC / PEFC, Nordic Swan, Blue Angel, Paper Profiles<input type="checkbox"/> CEPI Roadmap for the Paper Industry |
| Remarks | |