

<b>Module title</b>	Sanitary Engineering in Developing Countries – RWTH Aachen
<b>Identifier</b>	3013277
<b>Duration (Semester)</b>	one semester
<b>Cycle (Semester)</b>	winter semester
<b>Valid from</b>	winter semester 2011
<b>Valid until</b>	-
<b>Module level</b>	Master
<b>Content</b>	This course presents the international situation of water- and waste-related topics with a focus on the particular challenges in developing countries. Students receive short introductions to technical fundamentals of the different fields of sanitary engineering and public health and then take a closer look at the impact of legal, socio-cultural and economic framework. Students study new approaches for sustainable water and waste water infrastructure in developing countries.
<b>Learning Objectives/ Learning Outcomes</b>	<p>On successfully completing this course unit, students will be able...</p> <p>...to point out differences in water and waste water infrastructure in developing and developed countries and name the reasons.</p> <p>...to explain the relationship between water, waste water, solid waste management and health, as well as resource recovery and environmental protection.</p> <p>...to discuss approaches for sustainable water and waste water infrastructure in developing countries, both for urban and rural regions.</p>
<b>(Study-Specific) Prerequisites</b>	None
<b>References</b>	<p>Course notes and additional literature are available on RWTHmoodle.</p> <p>Annually published World Water Development Report <a href="https://www.unwater.org/publications/">https://www.unwater.org/publications/</a></p> <p>Current publications of the WHO/UNICEF Joint Monitoring Programme for Water Supply, Sanitation and Hygiene (JMP)</p>
<b>Language</b>	English
<b>Examination Terms</b>	Graded written exam. There are no admission requirements for attending the exam.
<b>Miscellaneous</b>	-
<b>Module coordinator</b>	Univ.-Prof. Dr.-Ing. Thomas Wintgens
<b>ETCS credits</b>	5
<b>Contact time (WSH)</b>	2
<b>Examination duration (min)</b>	0
<b>Total hours (h)</b>	60
<b>Contact hours (h)</b>	30
<b>Self-study hours (h)</b>	30

<b>Exam node (Kennung)</b>				
<b>Title</b>	<b>ECTS Credits</b>	<b>Contact time (WSH)</b>	<b>Recommended Semester (Study start winter)</b>	<b>Recommended Semester (Study start summer)</b>
Written Exam (or oral exam) Sanitary Engineering in Developing Countries (301327701)	5	0	3rd semester	no semester recommended
<b>Offer node</b>				
<b>Title</b>	<b>ECTS Credits</b>	<b>Contact time (WSH)</b>	<b>Recommended Semester (Study start winter)</b>	<b>Recommended Semester (Study start summer)</b>
Lecture Sanitary Engineering in Developing Countries	-	2	3rd semester	no semester recommended