

<b>Module Name</b>	<b>Module Code</b>
Environmental and Applied Epidemiology	AEF-el854
<b>Module Coordinator</b>	
Prof. Dr. Wolfgang Lieb	
<b>Organizer</b>	
<b>Faculty</b>	
Faculty of Agricultural and Nutritional Sciences	
<b>Examination Office</b>	
Faculty of Agricultural and Nutritional Sciences - Examination Office	

<b>ECTS Credits</b>	6
<b>Evaluation</b>	Graded
<b>Duration</b>	one semester
<b>Frequency</b>	Only takes place during summer semesters
<b>Workload per ECTS Credit</b>	30 hours
<b>Total Workload</b>	180 hours
<b>Contact Time</b>	60 hours
<b>Independent Study</b>	120 hours
<b>Teaching Language</b>	English

<b>Module Courses</b>			
<b>Course Type</b>	<b>Course Name</b>	<b>Compulsory/Optional</b>	<b>SWS</b>
Lecture	Environmental and Applied Epidemiology	Compulsory	2
Seminar	Applied Epidemiology	Compulsory	2

<b>Examination(s)</b>				
<b>Examination Name</b>	<b>Type of Examination</b>	<b>Evaluation</b>	<b>Compulsory / Optional</b>	<b>Weighting</b>
Oral Examination: Environmental and Applied Epidemiology	Oral Examination	Graded	Compulsory	50
Seminar Paper: Environmental and Applied Epidemiology	Seminar Paper	Graded	Compulsory	50
<b>Further Information on the Examination(s)</b>				
<p><b><u>will take place for the last time SS 2019</u></b>            1.+2. period in winter semester            1. period in summer semester</p> <p>examiner: Dr. Romina di Giuseppe            QIS: 67500 with 67510 and 67520</p>				

<b>Course Content</b>
<p>Fundamental concepts and research methods used in Environmental Epidemiology and the application of epidemiologic and statistical epidemiologic tools (Applied Epidemiology) to elucidate exposure/outcome associations. Epidemiological databases will be used to illustrate key topics including data management, coding, qualitative data analysis, followed by interpretation and writing of the results.</p>
<b>Learning Outcome</b>
<p>The students will be acquainted with:</p> <ul style="list-style-type: none"> <li>quantitative measures used to study the occurrence of environmental health problems in population</li> <li>identification of the type of associations found between environmental hazards and health outcomes</li> <li>study designs used in environmental epidemiology</li> <li>descriptive and analytic studies; special study design for environmental hazards</li> <li>methodology for study designs</li> <li>how to conduct a field study</li> <li>implementation and use of epidemiologic tools in environmental health</li> <li>assessment of environmental exposures</li> <li>study endpoints used in environmental epidemiologic research</li> <li>sampling</li> <li>data management and analysis in SAS</li> <li>use of observational/epidemiologic data statistical epidemiology: theory and practical applications</li> </ul>
<b>Reading List</b>
<ul style="list-style-type: none"> <li>·Epidemiology, 5th Edition by L. Gordis</li> <li>Handbook of Epidemiology Ahrens W, Pigeot I (eds): Springer, Berlin: 2005.</li> <li>Environmental Epidemiology: Principles and Methods. Ray M. Merrill. Jones &amp; Bartlett Learning, 2008.</li> <li>·Modern Epidemiology, 3rd edition by K.J. Rothman, S. Greenland, T.L. Lash. Lippincott Williams &amp; Wilkins, Philadelphia: 2008.</li> <li>·Nutritional Epidemiology (3rd edition, 2012) by W.C. Willett. Oxford University Press.</li> <li>·An Introduction to Medical Statistics by M. Bland (Oxford Medicine Publications).</li> <li>Practical Statistics for Medical Research by D.G. Altman (Chapman &amp; Hall/CRC Texts in Statistical Science).</li> <li>Biostatistical Methods in Epidemiology by S.C. Newman. Wiley series in Probability and Statistics.</li> </ul>

**Additional Information**

**will take place for the last time SS 2019**

Maximum number of participants: 20

Enrollment **romina.digiuseppe@epi.uni-kiel.de** within workdays Monday through Friday in the 1<sup>st</sup> week of the 2. audit period of the preceding semester. Following information are necessary:

matriculation number

last name

first name

striven degree

study program

stu-Email

The allocation of the places takes place in the 2nd week of the 2. audit period of the preceding semester.

Acceptance of the place by students only through participation at the first day of the course.

Students without a place can get a place at the first day of the course by move-up procedure.

<b>Use</b>	<b>Compulsory / Optional</b>	<b>Semester</b>
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Agricultural Economics, (Version 2013)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Special. Agricultural Economics and Agribusiness # Specific Field of Study: Agricultural Economics, (Version 2008)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Special. Agricultural Economics and Agribusiness # Specific Field of Study: Agribusiness, (Version 2008)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Agribusiness, (Version 2013)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Crop Sciences, (Version 2013)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2013)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Animal Sciences, (Version 2008)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2017)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2013)	Optional	1.
Master, 1-Subject, Agricultural Sciences, Specialisation Environmental Sciences, (Version 2008)	Optional	1.
Master, 1-Subject, Dairy Science, (Version 2017)	Optional	1.
Master, 1-Subject, Nutritional and Food Science, (Version 2013)	Optional	1.
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2017)	Optional	1.
Master, 1-Subject, Nutritional and Consumer Economics, (Version 2013)	Optional	1.
Master, 1-Subject, Nutritional Sciences and Household Economics, Specialisation Nutritional and Consumer Economics, (Version 2008)	Optional	1.
Master, 1-Subject, Nutritional Sciences and Household Economics, Specialisation Nutritional Sciences, (Version 2008)	Optional	1.