Module title: Global Acting in Globally and Locally linked Decision Processes

Abbreviation: 07-SQF-GHE-152-m01

Module coordinator: holder of the Chair of Bioinformatics
Module offered by: Faculty of Biology

ECTS: 3
Method of grading: numerical grade
Duration: 1 semester
Module level: undergraduate

Other prerequisites: --

Contents:
Decision making processes in the context of global and local requirements. The course will discuss findings from different fields of biology and/or biotechnology with regard to their socio-political relevance. Topics will vary and will reflect the latest trends and developments. Topics that might be covered include: - Global threats -- making the right decision. - Decision making and disposal. - Decision making processes of social insects. - Ecosystems as an example of "ecology vs. economy".

Intended learning outcomes:
Students will be able to meet global requirements in spite of local constraints and requirements and will understand the limitations in decision making processes. They will have developed a deeper awareness of complex issues and will be better qualified to adapt the opportunities and/or necessities associated with global challenges to specific local conditions as well as to implement these. With the help of topical examples from nature (e.g. ecology, sociobiology), the course will have acquainted students with principles that may help understand problems relevant to society and develop approaches to solution.

Courses:
(type, number of weekly contact hours, language — if other than German)
V (2)
Module taught in: German and/or English

Method of assessment:
type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus
Log (approx. 10 to 20 pages)
Language of assessment: German and/or English
creditable for bonus

Allocation of places:
25 places. Should the number of applications exceed the number of available places, places will be allocated as follows:
Students of the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits will be given preferential consideration. Should the module be used in other subjects, there will be two quotas: 95% of places will be allocated to students of the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits and 5% of places (a minimum of one place in total) will be allocated to students of the Bachelor's degree subject Biologie (Biology) with 60 ECTS credits and to students of the Bachelor's degree subjects Computational Mathematics and Mathematik (Mathematics), each with 180 ECTS credits, as part of the application-oriented subject Biologie (Biology) (as well as potentially to students of other 'importing' subjects). Should the number of places available in one quota exceed the number of applications, the remaining places will be allocated to applicants from the other quota. Should there be, within one module component, several courses with a restricted number of places, there will be a uniform regulation for the courses of one module component. In this case, places on all courses of a module component that are concerned will be allocated in the same procedure. In this procedure, applicants who already have successfully completed at least one other module component of the respective module will be given preferential consideration.
A waiting list will be maintained and places reallocated as they become available.
Selection process group 1 (95%): Places will primarily be allocated according to the applicants' previous academic achievements. For this purpose, applicants will be ranked according to the number of ECTS credits they have achieved and their average grade of all assessments taken during their studies or of all module components in the subject of Biologie (Biology) (excluding Chemie (Chemistry), Physik (Physics), Mathematik (Mathematics))
at the time of application. This will be done as follows: First, applicants will be ranked, firstly, according to their average grade weighted according to the number of ECTS credits (qualitative ranking) and, secondly, according to their total number of ECTS credits achieved (quantitative ranking). The applicants' position in a third ranking will be calculated as the sum of these two rankings, and places will be allocated according to this third ranking. Among applicants with the same ranking, places will be allocated according to the qualitative ranking or otherwise by lot.

Selection process group 2 (5%): Places will be allocated according to the following quotas: Quota 1 (50 % of places): total number of ECTS credits already achieved in modules/module components of the Faculty of Biology; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2 (25 % of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. Quota 3 (25 % of places): lottery. Should the module be used only in the Bachelor's degree subject Biologie (Biology) with 180 ECTS credits, places will be allocated according to the selection process of group 1.

Additional information

--

Referred to in LPO I (examination regulations for teaching-degree programmes)

Module appears in

First state examination for the teaching degree Grundschule English (2009)
First state examination for the teaching degree Grundschule Biology (2009)
First state examination for the teaching degree Grundschule Chemistry (2009)
First state examination for the teaching degree Grundschule Geography (2009)
First state examination for the teaching degree Grundschule Protestant Theology (2009)
First state examination for the teaching degree Grundschule History (2009)
First state examination for the teaching degree Grundschule German (2009)
First state examination for the teaching degree Grundschule History (2015)
First state examination for the teaching degree Grundschule Catholic Theology (2009)
First state examination for the teaching degree Grundschule Mathematics (2009)
First state examination for the teaching degree Grundschule Physics (2009)
First state examination for the teaching degree Grundschule Social Science (2009)
First state examination for the teaching degree Grundschule Science of Sport (2009)
First state examination for the teaching degree Grundschule History (2009)
First state examination for the teaching degree Grundschule Biology (2009)
First state examination for the teaching degree Grundschule Mathematics (2009)
First state examination for the teaching degree Grundschule Chemistry (2009)
First state examination for the teaching degree Grundschule History (2009)
First state examination for the teaching degree Grundschule Protestant Theology (2009)
First state examination for the teaching degree Grundschule German (2009)
First state examination for the teaching degree Grundschule French Studies (2009)
First state examination for the teaching degree Realschule History (2009)
First state examination for the teaching degree Realschule Computer Science (2012)
First state examination for the teaching degree Realschule Catholic Theology (2009)
First state examination for the teaching degree Realschule Mathematics (2009)
First state examination for the teaching degree Realschule Physics (2009)
First state examination for the teaching degree Realschule Science of Sport (2009)
First state examination for the teaching degree Gymnasium English (2009)
First state examination for the teaching degree Gymnasium Biology (2009)
First state examination for the teaching degree Gymnasium Chemistry (2009)
First state examination for the teaching degree Gymnasium Geography (2009)
First state examination for the teaching degree Gymnasium French Studies (2009)
First state examination for the teaching degree Gymnasium German (2009)
First state examination for the teaching degree Gymnasium History (2009)
First state examination for the teaching degree Gymnasium Greek Philology (2009)
First state examination for the teaching degree Gymnasium Computer Science (2009)
First state examination for the teaching degree Gymnasium Italian Studies (2009)
First state examination for the teaching degree Gymnasium Catholic Theology (2009)
First state examination for the teaching degree Gymnasium Latin Philology (2009)
First state examination for the teaching degree Gymnasium Mathematics (2012)
First state examination for the teaching degree Gymnasium Mathematics (2009)
First state examination for the teaching degree Gymnasium Music (2009)
First state examination for the teaching degree Gymnasium Physics (2009)
First state examination for the teaching degree Gymnasium Russian (2009)
First state examination for the teaching degree Gymnasium Social Science (2009)
First state examination for the teaching degree Gymnasium Spanish Studies (2009)
First state examination for the teaching degree Gymnasium Science of Sport (2009)
First state examination for the teaching degree Sonderpädagogik Pedagogy of Secondary Education (2009)
First state examination for the teaching degree Sonderpädagogik Pedagogy of Primary Education (2009)
First state examination for the teaching degree Sonderpädagogik Teaching at the German Mittelschule (2013)
First state examination for the teaching degree Mittelschule English (2013)
First state examination for the teaching degree Mittelschule Biology (2013)
First state examination for the teaching degree Mittelschule Chemistry (2013)
First state examination for the teaching degree Mittelschule Geography (2013)
First state examination for the teaching degree Mittelschule Protestant Theology (2013)
First state examination for the teaching degree Mittelschule German (2013)
First state examination for the teaching degree Mittelschule History (2013)
First state examination for the teaching degree Mittelschule Catholic Theology (2013)
First state examination for the teaching degree Mittelschule Mathematics (2013)
First state examination for the teaching degree Mittelschule Physics (2013)
First state examination for the teaching degree Mittelschule Social Science (2013)
First state examination for the teaching degree Mittelschule Science of Sport (2013)
Bachelor' degree (1 major) Biology (2015)
First state examination for the teaching degree Grundschule English (2015)
First state examination for the teaching degree Grundschule Biology (2015)
First state examination for the teaching degree Grundschule Chemistry (2015)
First state examination for the teaching degree Grundschule Geography (2015)
First state examination for the teaching degree Grundschule German (2015)
First state examination for the teaching degree Grundschule Catholic Theology (2015)
First state examination for the teaching degree Grundschule Mathematics (2015)
First state examination for the teaching degree Grundschule Pedagogy of Primary Education (2015)
First state examination for the teaching degree Grundschule Physics (2015)
Module description

First state examination for the teaching degree Grundschule Social Science (2015)
First state examination for the teaching degree Grundschule Didactics in English (Primary School) (2015)
First state examination for the teaching degree Grundschule Didactics in Biology (Primary School) (2015)
First state examination for the teaching degree Grundschule Didactics in Chemistry (Primary School) (2015)
First state examination for the teaching degree Grundschule Didactics in Geography (Primary School) (2015)
First state examination for the teaching degree Grundschule Didactics in German (Primary School) (2015)
First state examination for the teaching degree Grundschule Didactics in History (Primary School) (2015)
First state examination for the teaching degree Grundschule Didactics in Catholic Theology (Primary School) (2015)
First state examination for the teaching degree Grundschule Art Education in Primary School (2015)
First state examination for the teaching degree Grundschule Didactics in Science of Sport (Primary School) (2015)
First state examination for the teaching degree Grundschule Didactics in Mathematics (Primary School) (2015)
First state examination for the teaching degree Grundschule Didactics in Catholic Theology (Primary School) (2015)
First state examination for the teaching degree Grundschule Music Education in Primary School (2015)
First state examination for the teaching degree Grundschule Didactics in Physics (Primary School) (2015)
First state examination for the teaching degree Grundschule Didactics in Social Science (Primary School) (2015)
First state examination for the teaching degree Grundschule Educational Science (2015)
First state examination for the teaching degree Grundschule Science of Sport (2015)
First state examination for the teaching degree Realschule English (2015)
First state examination for the teaching degree Realschule Biology (2015)
First state examination for the teaching degree Realschule Chemistry (2015)
First state examination for the teaching degree Realschule Geography (2015)
First state examination for the teaching degree Realschule Protestant Theology (2015)
First state examination for the teaching degree Realschule French Studies (2015)
First state examination for the teaching degree Realschule German (2015)
First state examination for the teaching degree Realschule History (2015)
First state examination for the teaching degree Realschule Computer Science (2015)
First state examination for the teaching degree Realschule Catholic Theology (2015)
First state examination for the teaching degree Realschule Mathematics (2015)
First state examination for the teaching degree Realschule Physics (2015)
First state examination for the teaching degree Realschule Educational Science (2015)
First state examination for the teaching degree Realschule Science of Sport (2015)
First state examination for the teaching degree Gymnasium English (2015)
First state examination for the teaching degree Gymnasium Biology (2015)
First state examination for the teaching degree Gymnasium Chemistry (2015)
First state examination for the teaching degree Gymnasium Geography (2015)
First state examination for the teaching degree Gymnasium French Studies (2015)
First state examination for the teaching degree Gymnasium German (2015)
First state examination for the teaching degree Gymnasium History (2015)
First state examination for the teaching degree Gymnasium Greek Philology (2015)
First state examination for the teaching degree Gymnasium Computer Science (2015)
First state examination for the teaching degree Gymnasium Italian Studies (2015)
First state examination for the teaching degree Gymnasium Catholic Theology (2015)
First state examination for the teaching degree Gymnasium Latin Philology (2015)
First state examination for the teaching degree Gymnasium Mathematics (2015)
First state examination for the teaching degree Gymnasium Physics (2015)
First state examination for the teaching degree Gymnasium Russian (2015)
First state examination for the teaching degree Gymnasium Social Science (2015)
First state examination for the teaching degree Gymnasium Spanish Studies (2015)
First state examination for the teaching degree Gymnasium Educational Science (2015)
First state examination for the teaching degree Gymnasium Science of Sport (2015)
First state examination for the teaching degree Sonderpädagogik Pedagogy of Primary Education (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Biology (Primary School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Chemistry (Primary School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Geography (Primary School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in German (Primary School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in History (Primary School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Catholic Theology (Primary School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Mathematics (Primary School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Physics (Primary School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Social Science (Primary School) (2015)

First state examination for the teaching degree Sonderpädagogik Didactics in English (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Biology (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Chemistry (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Geography (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Protestant Theology (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in German (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in History (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Catholic Theology (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Mathematics (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Physics (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Social Science (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Science of Sport (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Mathematics (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Physics (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Social Science (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Science of Sport (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Mathematics (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Physics (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Social Science (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Science of Sport (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Mathematics (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Physics (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Social Science (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Didactics in Science of Sport (Middle School) (2015)
<table>
<thead>
<tr>
<th>Module Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Didactics in Protestant Theology (Middle School) (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Didactics in German (Middle School) (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Didactics in History (Middle School) (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Didactics in Catholic Theology (Middle School) (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Art Education in Middle School (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Didactics in Sciences of Sport (Middle School) (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Didactics in Mathematics (Middle School) (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Music Education in Middle School (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Didactics in Physics (Middle School) (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Didactics in Social Science (Middle School) (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Science of Sport (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Teaching at the German Mittelschule (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Grundschule Protestant Theology (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Grundschule Didactics in Protestant Theology (Primary School) (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Realschule Music (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Gymnasium Music (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Sonderpädagogik Didactics in Protestant Theology (Primary School) (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Music (2015)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Gymnasium French Studies (2016)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Gymnasium Italian Studies (2016)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Gymnasium Spanish Studies (2016)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Realschule French Studies (2016)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Grundschule English (2016)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Grundschule Didactics in English (Primary School) (2016)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Realschule English (2016)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Gymnasium English (2016)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule English (2016)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Didactics in English (Middle School) (2016)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Sonderpädagogik Didactics in English (Middle School) (2016)</strong></td>
</tr>
<tr>
<td><strong>Bachelor' degree (1 major) Biology (2017)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Gymnasium Greek Philology (2018)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Grundschule Physics (2018)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Grundschule Didactics in Physics (Primary School) (2018)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Realschule Physics (2018)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Gymnasium Physics (2018)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Physics (2018)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Sonderpädagogik Didactics in Physics (Middle School) (2018)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Mittelschule Didactics in Physics (Middle School) (2018)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Sonderpädagogik Didactics in Physics (Primary School) (2018)</strong></td>
</tr>
<tr>
<td><strong>First state examination for the teaching degree Gymnasium Mathematics (2019)</strong></td>
</tr>
</tbody>
</table>