COURSE OUTLINE

(1) GENERAL

<table>
<thead>
<tr>
<th>SCHOOL</th>
<th>NATURAL SCIENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACADEMIC UNIT</td>
<td>BIOLOGY</td>
</tr>
<tr>
<td>LEVEL OF STUDIES</td>
<td>UNDERGRADUATE</td>
</tr>
<tr>
<td>COURSE CODE</td>
<td>BIO_ZA2</td>
</tr>
<tr>
<td>SEMESTER</td>
<td>5/7</td>
</tr>
</tbody>
</table>

COURSE TITLE: ENVIRONMENTAL ANIMAL PHYSIOLOGY

INDEPENDENT TEACHING ACTIVITIES

| Lectures, Laboratory Exercises | 2 (lec) | 3 |

Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).

COURSE TYPE

- Field of Science
- Skills Development

PREREQUISITE COURSES:

- There are no prerequisites.

LANGUAGE OF INSTRUCTION and EXAMINATIONS:

- Greek

IS THE COURSE OFFERED TO ERASMUS STUDENTS:

- NO

COURSE WEBSITE (URL):

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described. Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

At the end of the course the student is will have acquired a basic knowledge of environmental physiology; including:

The subject of research for Environmental Animal Physiology and Biometeorology, the role of biorhythms, temperature and humidity in living organisms, the effects of altitude and radiation in living organisms, the subject of research for Environmental Toxicology, the main heavy metal effects including lead, cadmium, asbestos, mercury, manganese, etc

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

- Search for, analysis and synthesis of data and information
- Project planning and management
At the end of the course, the student will have developed the following skills/competences:
- Be a team player, capable of retrieving related scientific information on Environmental Physiology.
- To write essays on Environmental Physiology.
- To work as part of a team.
- To prepare power-point presentations.

(3) SYLLABUS

1. Environmental Physiology-Subject of research
2. Chronobiology and Biorythms
3. Biometeorology
4. Altitude
5. Radiation
6. Environmental Toxicology

(4) TEACHING and LEARNING METHODS - EVALUATION

**DELIVERY**
Face-to-face, Distance learning, etc.

**USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY**
Use of ICT in teaching, laboratory education, communication with students.

**TEACHING METHODS**
The manner and methods of teaching are described in detail.
Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshops, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.

The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Semester workload</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lectures (13 weeks x 2 hours per week)</td>
<td>26</td>
</tr>
<tr>
<td>Home study</td>
<td>49</td>
</tr>
<tr>
<td>Course total</td>
<td>75</td>
</tr>
</tbody>
</table>

**STUDENT PERFORMANCE EVALUATION**
Description of the evaluation procedure

Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public

Written exams at the end of semester (85% and oral presentations 15% or 100% without assay and oral presentation).

Final Course Grade: Theory Grade \( \times 0.85 + x \times 0.15 \)
Grading scale: 1-10. Passing grade ≥ 5
Grading ≤3 correspond to ECTS grade F.
Grade 4 corresponds to ECTS grade FX.
Passing grades correspond to ECTS grades as follows:
5=E, 6=D, 7=C, 8=B, ≥9=A.

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:


- Related academic journals: