<table>
<thead>
<tr>
<th>Subject name</th>
<th>Poultry Breeding and Production</th>
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<tbody>
<tr>
<td>Subject code</td>
<td>H.DFZa.POL9.SM.HZOXY</td>
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<tr>
<td>Department</td>
<td>Swine and Small Animal Breeding</td>
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<tr>
<td>Faculty</td>
<td>Animal Sciences</td>
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<tr>
<td>Subject supervisor/Lecturer</td>
<td>Dr. Krzysztof Andres, Dr. Małgorzata Gumułka, Dr. Marcin Lis</td>
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**General information**

<table>
<thead>
<tr>
<th>semester</th>
<th>winter</th>
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<tr>
<td>ECTS credits</td>
<td>2</td>
</tr>
<tr>
<td>Lectures total</td>
<td>10 hrs</td>
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<tr>
<td>Laboratories</td>
<td>15 hrs</td>
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**Objective and general description**

The aim of the course is to provide an understanding the biology of poultry. Students will get familiar with principles of poultry genetics, breeding programs, incubation and hatchery management, brooding and rearing, feeding and housing requirements, technology of egg and broiler production, management of turkey and waterfowl.

**Lectures**

2. Qualitative and quantitative genetics of poultry.
3. Genomic and bioinformatics in poultry breeding.
4. Selection strategies for layer and broiler production.
5. Laying hens: extensive, semi intensive and intensive systems.
6. Broiler production systems.
7. Avian embryo development and incubation.
8. Duck and geese production systems. Turkey management.
10. Factors affecting eggs and poultry meat quality.

**Lab practical’s**

1. Evaluation of commercial eggs quality.
2. Slaughter value and quality of poultry meat.
3. Technology of egg incubation and rearing of chicks.
4. Broiler breeders and laying hens management.
5. Semen collection, evaluation and artificial insemination.

**Assessment method**

Test of knowledge and skills (practical test).

**References**