

## Module Descriptions

Module Designation	Problems and Innovations in Biology Education <i>Problematika dan Inovasi Pendidikan Biologi</i>
Course Code	8420502207
Semester/Term	8 <sup>th</sup> semester
Person responsible for the module	Dr. Nur Kuswanti, M.Sc.St. Dr. Rinie Pratiwi Puspitawati, M.Si. Dr. Sifak Indana, M.Pd. Dr. Ahmad Bashri, S.Pd., M.Si. Dr. Adi Maladona, M.Pd.
Language	Bahasa Indonesia (Indonesian language)
Relation to curriculum	Elective course
Teaching methods	Lecture
Workload	Contact hours: 2 x 50 minutes lectures, 2 x 60 minutes structured activity, and 2 x 60 minutes individual activity per week, 14 weeks per semester 79.33 total hours per semester ~ 3.18 ECTS**
Credit Point	2 CUs
Required and recommended prerequisites for joining the module	-
Module Objectives/intended learning outcomes	After taking this course, students will be able to: <ol style="list-style-type: none"> <li>1. Able to develop logical, critical, systematic, and creative thinking through activities in designing problem-solving in the form of research related to issues and innovations in biology education.</li> <li>2. Able to design research development projects based on problems and innovations in biology education.</li> <li>3. Able to demonstrate the results of research innovations related to biology education.</li> <li>4. Able to demonstrate independent research designs based on current problems, novelty-based innovation proposals, and their evaluation in biology education.</li> </ol>

Content	This course examines innovation, including: its definition, characteristics, and dissemination; various problems that arise in education in general and in biology education in particular, and attempts to design solutions by developing innovative designs. The learning is presented through both theory and assignments.																																								
Examination forms	Written exam																																								
Study and examination requirements and forms of examination	<p><b>Study Requirement</b></p> <p>Attendance: students must attend at least 75% of the lectures to be eligible for the final examination.</p> <p><b>Study examination</b></p> <p>The final grade (<i>NA</i>) is calculated based on the following ratio:</p> <table border="1" data-bbox="639 801 1233 1144"> <thead> <tr> <th>Assessment Components</th> <th>Percentage of contribution</th> </tr> </thead> <tbody> <tr> <td>Participation</td> <td>20%</td> </tr> <tr> <td>Assignment</td> <td>30%</td> </tr> <tr> <td>Mid-semester test</td> <td>20%</td> </tr> <tr> <td>Final semester test</td> <td>30%</td> </tr> </tbody> </table> <p>Grade conversion of 0-100 scale into 0-4 scale is set as below:</p> <table border="1" data-bbox="639 1240 1417 1653"> <thead> <tr> <th>Letter</th> <th>Number</th> <th>Grade Interval</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4,00</td> <td><math>85 \leq A \leq 100</math></td> </tr> <tr> <td>A-</td> <td>3,75</td> <td><math>80 \leq A- &lt; 85</math></td> </tr> <tr> <td>B+</td> <td>3,50</td> <td><math>75 \leq B+ &lt; 80</math></td> </tr> <tr> <td>B</td> <td>3,00</td> <td><math>70 \leq B &lt; 75</math></td> </tr> <tr> <td>B-</td> <td>2,75</td> <td><math>65 \leq B- &lt; 70</math></td> </tr> <tr> <td>C+</td> <td>2,50</td> <td><math>60 \leq C+ &lt; 65</math></td> </tr> <tr> <td>C</td> <td>2,00</td> <td><math>55 \leq C &lt; 60</math></td> </tr> <tr> <td>D</td> <td>1,00</td> <td><math>40 \leq D &lt; 55</math></td> </tr> <tr> <td>E</td> <td>0,00</td> <td><math>0 \leq E &lt; 40</math></td> </tr> </tbody> </table>	Assessment Components	Percentage of contribution	Participation	20%	Assignment	30%	Mid-semester test	20%	Final semester test	30%	Letter	Number	Grade Interval	A	4,00	$85 \leq A \leq 100$	A-	3,75	$80 \leq A- < 85$	B+	3,50	$75 \leq B+ < 80$	B	3,00	$70 \leq B < 75$	B-	2,75	$65 \leq B- < 70$	C+	2,50	$60 \leq C+ < 65$	C	2,00	$55 \leq C < 60$	D	1,00	$40 \leq D < 55$	E	0,00	$0 \leq E < 40$
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Reading List	Journal articles. The last 5-7 years. Journals about education management and learning. National and/or international journals																																								