

Module Descriptions

Module designation	8420302251
Semester(s) in which the module is taught	5
Person responsible for the module	Mukhayyarotin Niswati Rodliyatul Jauhariyah, S.Pd., M. Pd.
Language	Indonesian
Relation to curriculum	<i>Compulsory / elective / specialisation</i>
Teaching methods	<i>Lecture, Lesson, Discussion, case study lab works, project, seminar</i>
Workload (incl. contact hours, self-study hours)	<p><i>(Estimated) Total workload: 136 work hours per-semester</i></p> <p><i>Contact hours (please specify whether lecture, exercise, laboratory session, etc.): 40 work hours per-semester</i></p> <p><i>Private study including examination preparation, specified in hours: 94 work hours per-semester</i></p>
Credit points	3.18 ECTS
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<p><i>Key question: what learning outcomes should students attain in the module?</i></p> <p><i>E.g. in terms of:</i></p> <ul style="list-style-type: none"> - <i>Attitude:</i> <ul style="list-style-type: none"> a) <i>Demonstrates a resilient, collaborative, adaptive, innovative, inclusive, lifelong learning, and entrepreneurial character.</i> b) <i>Demonstrates religious, national and cultural values, as well as academic ethics in carrying out their duties.</i> - <i>Competences -</i> - <i>Knowledge:</i> <ul style="list-style-type: none"> a) <i>Masters the pedagogical knowledge in planning, teaching, and evaluating physics learning as well as resource management in organizing classes, physics laboratories and educational institutions.</i> - <i>Skills:</i> <ul style="list-style-type: none"> a) <i>Conducts physics education research in the form of studies and evaluations of physics learning with a quantitative and/or qualitative approach in the form of oral and academic writing effectively.</i>

Content	<p><i>This course examines 21st Century Skills, the 21st Century Education Assessment Framework, assessment systems (UN, TIMSS, and PISA) and their development, characteristics of assessment instruments (UN, TIMSS, and PISA), as well as developing assessment instruments based on 21st-century skill characteristics. The learning methods are carried out through repository discussions, assignments, and project tasks to develop physics learning assessment instruments based on 21st-century skills.</i></p>
Examination forms	<p><i>Project</i></p>
Study and examination requirements	<p>Requirements for successfully passing the module:</p> <ul style="list-style-type: none"> a) <i>Minimum attendance of 75%</i> b) <i>Minimum score of 55 out of 100</i>
Reading list	<ul style="list-style-type: none"> a) <i>Care, E., Griffin, P. and Wilson M. 2018. Assessment and Teaching of 21 Springer International Publishing. st Century Skills: Research and Applications. Switzerland:</i> b) <i>Griffin, P. and Care, E. 2015. Assessment and Teaching of 21 st Century Skills: Methods and Approach. Switzerland: Springer Int. Pub.</i> c) <i>Griffin, P., McGaw, B., and Care, E. 2012. Assessment and Teaching of 21 Century Skills. Switzerland: Springer International Publishing</i>