

UWA Plus Micro-credentials

Critical Information Summary

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| Title and brief description | <p>PHYSM121 ATAR Physics for Teachers: Year-11 Syllabus. In this micro-credential participants will learn the new year-11 Physics ATAR syllabus, focusing on Science Understanding. Topics covered include Motion, Forces, Energy, Waves, Nuclear and Electrical Physics.</p> <p>It is strongly recommended that before taking this micro-credential, participants should either be competent in teaching science, including physics, at the level of the Year 10 Western Australian Science curriculum, or have completed PHYSM402 Einsteinian Science for Secondary School Teachers. PHYSM121 will prepare participants for PHYSM122.</p> |
| Certified learning | <p>(1) explain the theories of physics at the level of the year-11 ATAR syllabus; (2) solve numerical problems at the level of the year-11 ATAR syllabus; (3) analyse a physical system in terms of the theories of physics in the year-11 ATAR syllabus to draw conclusions about the system's properties and/or behaviour; (4) evaluate and grade a given solution to a question at the level required for the year-11 ATAR syllabus; (5) develop and deliver a lesson to teach a given part of the theories of physics in the year-11 ATAR syllabus; and (6) create an assessment task and grading key based on one or more theories of physics at the level of the year-11 ATAR syllabus.</p> |
| How learner participated | Onsite only |
| Effort required (indicative) | lectures 18 hours practice classes: 34 hours homework assignments: 17 hours presentation preparation: 4 hours presentation class: 2 hours TOTAL = 75 hours |
| Main assessment task | Application of multiple skills to routine problems, Application of multiple skills to complex problems |
| Indicative equivalent level | Postgraduate |
| Industry recognition | Approved as part of the Department of Education LEAP programme. |
| Quality assurance | The quality of UWA Plus micro-credentials is assured through The University of Western Australia's standards and academic integrity processes. |
| Successful learner earns PD Points for conversion to: | 3 |
| . Admission to an award course | No |
| . Credit towards an award course | Yes |
| . If yes, how much credit? | Credit is less than one unit |