

FRST90034 Ecological Restoration

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| Credit Points: | 12.50 |
| Level: | 9 (Graduate/Postgraduate) |
| Dates & Locations: | This subject is not offered in 2014. This subject is taught intensively, on campus, over two weeks from 29 September - 10 October 2014. Assessment period from 29 September - 21 November 2014. Commences 29 September during the non-teaching period. Intensive teaching, Creswick (first week) and Burnley (second week) campuses and during field trips. Please note that this subject has a pre-teaching date of 15/9/14 - 28/9/14 and during this time students will be required to research and prepare an advanced draft of the first Assessment task. |
| Time Commitment: | Contact Hours: Equivalent of 24 hours lectures and 36 hours practical work, delivered in a two-week intensive teaching block. Total Time Commitment: 60 contact hours over two weeks |
| Prerequisites: | None |
| Corequisites: | None |
| Recommended Background Knowledge: | None |
| Non Allowed Subjects: | None |
| Core Participation Requirements: | For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/ |
| Contact: | Melbourne School of Land & Environment Student Centre Ground Floor, Land & Food Resources (building 142) <i>Enquiries</i> Phone: 13 MELB (13 6352) Email: 13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au) |
| Subject Overview: | Ecological Restoration examines the principles and practices needed to restore terrestrial ecosystems in a range of modified landscapes from settled to agricultural to forested. Its focus is ecological, although consideration is also given to socio-economic factors that influence restoration programs. Lectures and field trips explore ecological principles and projects from site to landscape scales, encompassing biodiversity values and ecosystem services. |
| Learning Outcomes: | At the end of this subject students will have an advanced understanding of: <ul style="list-style-type: none"> # Properties of degraded versus functioning ecosystems # Need for ecological restoration (Australia and elsewhere) # Types and goals of ecological restoration at site to landscape scales # Planning, legislation, incentive schemes relevant to restoration of native systems # Ecological restoration strategies and methods (including harnessing natural processes and planning for climate change) # Indicators of ecosystem function and restoration success at different scales # Benefits of ecological restoration |
| Assessment: | An assignment of maximum 1,000 words (25%), a group project including oral presentation (30%), and an assignment of maximum 2,500 words (45%). |
| Prescribed Texts: | None |
| Recommended Texts: | # Whisenant SG (1999) <i>Repairing Damaged Wildlands</i> . A process-orientated, landscape-scale approach. Cambridge University Press. 312pp. |

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| | <p># Perrow MR, Davy AJ (Eds) (2002) Handbook of Ecological Restoration. Volume 1 Principles of Restoration. Cambridge University Press. 444pp.</p> <p># Walker, L.R., Walker, J., Hobbs, R.J. (2007) Linking Restoration and Ecological Succession. Springer, New York, 190pp.</p> |
| Breadth Options: | This subject is not available as a breadth subject. |
| Fees Information: | Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees |
| Links to further information: | http://www.land-environment.unimelb.edu.au/future-students/grad/forest-ecosystem-science.html |
| Related Course(s): | <p>Graduate Diploma in Urban Horticulture</p> <p>Master of Forest Ecosystem Science</p> <p>Master of Urban Horticulture</p> |
| Related Majors/Minors/Specialisations: | <p>Climate Change</p> <p>Climate Change</p> <p>Conservation and Restoration</p> <p>Conservation and Restoration</p> <p>Energy Efficiency Modelling and Implementation</p> <p>Energy Efficiency Modelling and Implementation</p> <p>Environmental Science</p> <p>Environmental Science</p> <p>Integrated Water Catchment Management</p> <p>Integrated Water Catchment Management</p> <p>Sustainable Forests</p> <p>Sustainable Forests</p> <p>Tailored Specialisation</p> <p>Tailored Specialisation</p> <p>Waste Management</p> <p>Waste Management</p> |