

FRST90026 Bushfire & Biodiversity

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2014, Creswick This subject commences in the following study period/s: March, Creswick - Taught on campus. This subject is taught intensively at the Creswick Campus from 17th March - 28th March 2014. This subject is taught on alternate years. Please note that this subject has a pre-teaching date of 03/03/14 - 14/03/14, and during this time students will be required to read background material associated with Laboratory Assignment 1.
Time Commitment:	Contact Hours: 24 hours lectures and 36 hours practical work delivered in a two-week intensive teaching block Total Time Commitment: Not available
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/
Coordinator:	Assoc Prof Alan York, Dr Julian Di Stefano
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Subject Overview:	The course covers the basic effects of fire on aspects of biodiversity and ecological processes. Managers are committed to developing science-based ecological burning strategies which achieve both biodiversity and asset protection objectives. Increased knowledge of the ecological impacts of fire on plants and animals facilitates a better understanding of how more effective management can be achieved.
Learning Outcomes:	By the end of the subject students should: <ul style="list-style-type: none"> * Have an understanding of the nature of plant responses to fire; particularly with regard to seeders and resprouters, seed storage and dispersal and the consequences of repeated fire * Have an understanding of the response of animals to fire as individuals, populations and assemblages (communities) * Have an appreciation that these impacts operate at the ecosystem level, depending on attributes of the species concerned and landscape factors such as connectivity and habitat condition * Have an appreciation that the way fire(s) influence biodiversity depends on a set of interacting factors, including both pre- and post-fire weather, competition and predation * Have a better understanding of landscape-scale management, where current scientific knowledge is incorporated into planning, monitoring and legislation cycle

Assessment:	Laboratory Exercise - 10%, Group Presentation - 10% Field Exercise and Report - 20% Major Report (4,000 words) - 60%
Prescribed Texts:	None
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):	Master of Forest Ecosystem Science Postgraduate Certificate in Bushfire Management Postgraduate Certificate in Bushfire Planning and Management Postgraduate Diploma in Bushfire Management Postgraduate Diploma in Bushfire Planning and Management
Related Majors/Minors/Specialisations:	Environmental Science Environmental Science Sustainable Forests Sustainable Forests Tailored Specialisation Tailored Specialisation