

# GEOG30001 Coastal Landforms & Processes

<b>Credit Points:</b>	12.5																					
<b>Level:</b>	3 (Undergraduate)																					
<b>Dates &amp; Locations:</b>	2015, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.																					
<b>Time Commitment:</b>	Contact Hours: 2x1hr lectures per week (all recorded on LectureCapture), 1x3hrs practical per week and a fieldtrip (2.5days) Total Time Commitment: 170 hours																					
<b>Prerequisites:</b>	Successful completion of one of the below, or 25 points of geography or earth sciences at second year; or equivalent as approved by the subject coordinator:																					
<b>Corequisites:</b>	None																					
<b>Recommended Background Knowledge:</b>	Successful completion of one of the below, or 25 points of geography or earth sciences at second year; or equivalent as approved by the subject coordinator: <table border="1" data-bbox="387 770 1485 1205"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>GEOG20002 Understanding Global Landforms</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GEOG20009 Landscapes and Diversity</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>GEOL20004 Field Mapping and Sedimentary Geology</td> <td>June</td> <td>12.50</td> </tr> <tr> <td>EVSC20002 Soil and Water Resources</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ENST20002 Environmental Change Field Class</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>GEOG30023 Global Climate Change in Context</td> <td>February</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	GEOG20002 Understanding Global Landforms	Semester 1	12.50	GEOG20009 Landscapes and Diversity	Semester 2	12.50	GEOL20004 Field Mapping and Sedimentary Geology	June	12.50	EVSC20002 Soil and Water Resources	Semester 2	12.50	ENST20002 Environmental Change Field Class	Semester 2	12.50	GEOG30023 Global Climate Change in Context	February	12.50
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<b>Non Allowed Subjects:</b>	None																					
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.&lt;/p&gt; <p>&lt;p&gt;It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p> </p>																					
<b>Coordinator:</b>	Assoc Prof David M. Kennedy																					
<b>Contact:</b>	<p><b>Faculty of Science</b> Between the Doug McDonell building and the Eastern Resource Centre (ERC)</p> <p><i>Enquiries</i> Phone: 13 MELB (13 6352) Email: <a href="mailto:13MELB@unimelb.edu.au">13MELB@unimelb.edu.au</a> (mailto:13MELB@unimelb.edu.au) David Kennedy: <a href="mailto:davidmk@unimelb.edu.au">davidmk@unimelb.edu.au</a> (mailto:davidmk@unimelb.edu.au)</p>																					
<b>Subject Overview:</b>	This subject provides a detailed synthesis of the physical processes and linkages operating within the earth's coastal systems. The coast is one of the most intensively utilised landscapes worldwide and Australia is no exception. Population densities and development pressures are all rapidly rising providing ever increasing stress on the landscape. Intense human development is however a relatively recent phenomena. Coastal landforms operate over much longer																					

	timescales than people. Beaches and dunes have natural cycles of erosion and deposition of decadal to centennial scales while cliffs may have a history of several thousand years. It is therefore impossible to successfully manage, or simply enjoy this environment without knowledge of how it evolved and operates. During this course we will explore the operation and management of the key landforms found at the shore.
<b>Learning Outcomes:</b>	The objectives of this course are to provide an understanding of: <ul style="list-style-type: none"> <li>• the landforms of the coast;</li> <li>• the processes that drive their evolution; and</li> <li>• the management of the environmentally sensitive landscape.</li> </ul> Field and practical skills relevant to understanding and managing coasts are also developed in this course.
<b>Assessment:</b>	Essay (35%) of 2000 words (due by end of semester); Attendance at, and submission of, all tasks completed within eight practical and fieldwork exercises completed within the scheduled practicals throughout the semester (15%) and a 2-hour final examination (50%) to be scheduled during the examination period. It is a hurdle requirement that students submit the written assignment, submit 80% of the laboratory work, attend 80% of the laboratories, and attend the field trip to be eligible to pass the subject.
<b>Prescribed Texts:</b>	Coasts(C Woodroffe), Cambridge 2003
<b>Recommended Texts:</b>	Introduction to Coastal Processes and Geomorphology (R Davidson-Arnott) Cambridge 2010.
<b>Breadth Options:</b>	This subject potentially can be taken as a breadth subject component for the following courses: <p># <b><u>Bachelor of Music</u></b> (<a href="https://handbook.unimelb.edu.au/view/2015/B-MUS">https://handbook.unimelb.edu.au/view/2015/B-MUS</a>)</p> You should visit <b><u>learn more about breadth subjects</u></b> ( <a href="http://breadth.unimelb.edu.au/breadth/info/index.html">http://breadth.unimelb.edu.au/breadth/info/index.html</a> ) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	Upon successful completion of this subject, students will learn how to: <ul style="list-style-type: none"> <li>• critically evaluate and synthesise literature and information;</li> <li>• write succinctly and accurately;</li> <li>• conduct library based research;</li> <li>• apply knowledge (about given examples) to new cases;</li> <li>• work independently to solve problems; and</li> <li>• develop competence in writing consultancies and journal entries.</li> </ul>
<b>Notes:</b>	Students enrolled in the BSc (both pre-2008 degree and new degrees), or a combined BSc course (except for the BA/BSc) may receive science credit on the completion of this subject.
<b>Related Course(s):</b>	Master of Science (Geography)
<b>Related Majors/Minors/Specialisations:</b>	Environmental Geographies, Politics and Cultures major Environmental Geography Environmental Science major Environments Discipline subjects Geography Geography Integrated Geography Integrated Geography Integrated Geography Integrated Geography Landscape Management major Marine Biology Physical Geography Physical Geography Physical Geography

Physical Geography  
Science-credited subjects - new generation B-SCI and B-ENG.  
Selective subjects for B-BMED