


Virtual Exchange Global Alliance



The University of Adelaide	Introduction to Programming 1100OL		
Course description	Introduction to Programming		
Domain	Computer Science		
Keywords	Code	Programming	IT
Prerequisites	None		
Level	Bachelor		
Language	English		
Number of credits and workload	7.5 ECTS / 3 UoA Credits	10-12 hrs per week	156 hrs in total
Semester period and Start date course	Semester 2 – Term 4	Start date: 8-Oct-18	
Application deadline	1-Oct-18		

<p>Full course description</p>	<p>This course is designed for students with no prior programming experience and is taught fully online. This course introduces the fundamental concepts of procedural programming. Topics include data types, control structures, functions, arrays, files, and the mechanics of running, testing, and debugging. The course also offers an introduction to the historical and social context of computing and an overview of computer science as a discipline. - Algorithms and problem-solving: Problem-solving strategies; the role of algorithms in the problem-solving process; implementation strategies for algorithms; debugging strategies; the concept and properties of algorithms - Fundamental programming constructs: Syntax and semantics of a higher-level language; variables, types, expressions, and assignment; simple I/O; conditional and iterative control structures; functions and parameter passing; structured decomposition - Fundamental data structures: Primitive types; arrays; records; strings and string processing - Software development methodology: Fundamental design concepts and principles; testing and debugging strategies; test-case design (black box testing and requirements testing); unit testing; programming environments - Human-computer interaction: Introduction to design issues - Social context of computing: History of computing and computers; evolution of ideas and machines; social impact of computers and the Internet; professionalism, codes of ethics, and responsible conduct; copyrights, intellectual property, and software piracy.</p>	
<p>Platform and link to course description</p>	<p>Canvas</p>	
<p>Course description in study guide</p>	<p>https://www.adelaide.edu.au/course-outlines/109441/1/sem-2/</p>	
<p>Lecturer(s)</p>	<p>Katrina Falkner</p>	
<p>Picture of course</p>		

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Final examination date and time / period	TBC		
Examination registration deadline or drop-out deadline	Examination registration before: TBC Drop- out deadline: TBC		
Type of examination	Written & project		
Midterm examination?	<input type="checkbox"/> yes	No previous exam papers available for mid term	
Previous exam papers available	<input type="checkbox"/> yes		
Resit? and date	<input type="checkbox"/> yes	TBC	
Grade release and transcript release	TBC		