

Module Code	CSU34011																																															
Module Name	SYMBOLIC PROGRAMMING																																															
ECTS Weighting																																																
1																																																
Semester taught																																																
Module Coordinator/s	Tim Fernando																																															
Module Learning Outcomes	On successful completion of this module, students will be able to: LO1. Describe the basic characteristics of declarative programming in general and Prolog in particular. LO2. Compare declarative and imperative programming LO3. Design, construct and analyze Prolog programs of moderate complexity LO4. Evaluate the suitability of Prolog for simple tasks LO5. Identify and use the different forms of recursion																																															
Module Content	Basic introduction to Prolog including recursion, definite clause grammars, cuts and negation																																															
Teaching and Learning Methods	22 hours of lectures, 11 hours of laboratories/tutorials																																															
Assessment Details	<table><tr><th>Assessment Component</th><th>Brief Description</th><th>Learning Outcomes Addressed</th><th>% of total</th><th>Week set</th><th>Week due</th></tr><tr><td>Examination</td><td>2 hour written examination</td><td>LO1, LO2, LO3, LO4, LO5</td><td>90%</td><td>n/a</td><td>n/a</td></tr><tr><td>Homeworks</td><td>2 problem sets</td><td>L01,L02,L03, L04, L05</td><td>10%</td><td>4,8 approximately</td><td>2 weeks after</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>						Assessment Component	Brief Description	Learning Outcomes Addressed	% of total	Week set	Week due	Examination	2 hour written examination	LO1, LO2, LO3, LO4, LO5	90%	n/a	n/a	Homeworks	2 problem sets	L01,L02,L03, L04, L05	10%	4,8 approximately	2 weeks after																								
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¹TEP Glossary

²TEP Guidelines on Workload and Assessment

Reassessment Details	Examination (2 hours, 100%)	
Contact Hours and Indicative Student Workload	Contact Hours (scheduled hours per student over full module), broken down by:	44 hours
	lecture	22 hours
	laboratory	11 hours
	tutorial or seminar	11 hours
	other	0 hours
	Independent study (outside scheduled contact hours), broken down by:	72 hours
	preparation for classes and review of material (including preparation for examination, if applicable)	36 hours
	completion of assessments (including examination, if applicable)	36 hours
	Total Hours	116 hours
Recommended Reading List		
Module Pre-requisites	Prerequisite modules: none Other/alternative non-module prerequisites: none	
Module Co-requisites		
Module Website	Www.scss.tcd.ie/Tim.Fernando/LPN	
Last Update	15/07/2019 by Tim Fernando	