Human Computer Interaction

Programme Requirements:

Human Computer Interaction - MSc

(CS5001 (15 credits) or CS5002 (15 credits)) and CS5040 (15 credits) and CS5042 (15 credits) and (CS5041 (15 credits) or CS5044 (15 credits)) and

Between 0 and 30 credits from Module List: CS4052, CS4100 - CS4450 and

Between 15 and 60 credits from Module List: IS5102 - IS5150, CS5003 - CS5089 (except CS5019, CS5029, CS5039), ID5059 and (CS5098 (60 credits) or CS5099 (60 credits))

MPhil:

120 credits from taught element of programme requirements (not including project/dissertation) plus a thesis of up to 40, 000 words

Compulsory modules:

One of:

01 Object-Oriented Modelling, Design and Programming						
SCOTCAT Credits:	15 SCQF Level 11 Semester Both					
Academic year:	2018/9					
Availability restrictions:		ge' version of the p		its enrolled on the 'with er students must take the		
Planned timetable:	Variable					
	gramming assig	nments within othe		ementation up to the level udents complete a number		
Anti-requisite(s)	You cannot tak	ce this module if yoι	ı take CS5002			
Learning and teaching methods of delivery:	Weekly contact: Lectures, tutorials and practical classes.					
Assessment pattern:	Coursework =	100%				
Module teaching staff:		oordinator(s): Direct -cs@st-andrews.ac.	-	e Teaching - Computer		

Dr:						
002 Programming Principles and Practice						
SCOTCAT Credits:	15	SCQF Level 11	Semester	Both		
Academic year:	2018/9					
Availability restrictions:	This module is only available in Semester 2 to students enrolled on the 'with English Language' version of the programme. All other students must take the module in Semester 1.					
Planned timetable:	Variable					
previous programming exposoftware applications, such easy-to-learn programming	This module introduces computational thinking and problem solving skills to students who have no or little previous programming experience. It covers general programming concepts used in the development of software applications, such as data structures, functions, choice, iteration, recursion and input/output. A easy-to-learn programming language is used to illustrate these concepts, and programming skills are reinforced through practical assignments.					
Anti-requisite(s)	You cannot ta	ke this module if yo	ou take CS5001			
Learning and teaching methods of delivery:	Weekly contact: Lectures, tutorials and practical classes.					
Assessment pattern:	Coursework =	: 100%				
Module teaching staff:		coordinator(s): Director st-cs@st-andrews.a	ctor of Postgraduate Teach c.uk)	ning - Computer		

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	illeraction Fil	nciples and Metl	nods	
SCOTCAT Credits:	15	SCQF Level 11	Semester	1
Academic year:	2018/9			
Planned timetable:	To be arranged.			
perception, memory, her systems); paradigms of ir design and hypothesis t methods in HCI.	nteraction; evalua	ation paradigms in H	ICI; guidelines and h	euristics; experimenta
Pre-requisite(s):	Undergraduate - CS2001 or pass of	- before taking this n	nodule you must pas	ss CS2002 and (pass
Anti-requisite(s)	You cannot take	this module if you t	ake CS3106	
Learning and teaching methods of delivery:	Weekly contact:	: Lectures, practical	classes and tutorials	·.
methods of delivery:	,	: Lectures, practical		·.
Learning and teaching methods of delivery: Assessment pattern: Re-assessment pattern:	2-hour Written B		Coursework = 40%	

SCOTCAT Credits:	15	SCQF Level 11	Semester	2
Academic year:	2018/9			
Availability restrictions:	Computer Inte	eraction Programme	ents enrolled on the M . A ballot for students of tudents wishing to take onstraints.	on other MSc
Planned timetable:	To be arranged	d.		
		January Ctud		decians of inter-
systems that are based on	human, group a	and organisation nee	work towards creating eds rather than on tech	_
systems that are based on module does not involve a Pre-requisite(s):	human, group a great deal of pr	ind organisation nee ogramming. e - before taking thi		nnical constraints. Th
systems that are based on module does not involve a	human, group a great deal of pr Undergraduat CS2001 or pas	and organisation need ogramming. e - before taking this s cs2101)	ds rather than on tech	nnical constraints. Th
systems that are based on module does not involve a Pre-requisite(s): Learning and teaching methods of delivery:	human, group a great deal of pr Undergraduat CS2001 or pas Weekly contact	and organisation need ogramming. e - before taking this s cs2101)	eds rather than on tech	nnical constraints. Th
systems that are based on module does not involve a Pre-requisite(s): Learning and teaching	human, group a great deal of pr Undergraduat CS2001 or pas Weekly contact	and organisation need ogramming. e - before taking thi s cs2101) ct: 2 lectures, 3 pra 85%, Presentation =	eds rather than on tech	nnical constraints. Th

One of:

SCOTCAT Credits:	15	SCQF Level 11	Semester	1
Academic year:	2018/9			•
Availability restrictions:	Compute programr	ule is available to all stud r Interaction Programme nes and final year MSci s r due to lab equipment c	. A ballot for students tudents wishing to tak	on other MSc
Planned timetable:	To be arra	anged.		
mobile devices, micropro		and software using tech s and depth cameras.	-	
mobile devices, micropro assignments.	Ocessor kit Undergra	s and depth cameras. duate - before taking thi	There is a strong e	emphasis on practi
mobile devices, micropro	Undergra CS2001 o	s and depth cameras.	There is a strong es	emphasis on practi
mobile devices, microproassignments. Pre-requisite(s): Co-requisite(s): Learning and teaching	Undergra CS2001 o Postgradu	s and depth cameras. duate - before taking thi r pass cs2101)	There is a strong es module you must pa	emphasis on practi
mobile devices, microproassignments. Pre-requisite(s): Co-requisite(s):	Undergra CS2001 o Postgradu Weekly c	s and depth cameras. duate - before taking thi r pass cs2101) uate - you must also take	There is a strong es module you must pa	emphasis on practi
mobile devices, microproassignments. Pre-requisite(s): Co-requisite(s): Learning and teaching methods of delivery:	Undergra CS2001 o Postgradu Weekly c	s and depth cameras. duate - before taking thi r pass cs2101) uate - you must also take ontact: Lectures, practic	There is a strong es module you must pa	emphasis on pract

SCOTCAT Credits:	15	SCQF Level 11	Semester	2
Academic year:	2018/9			
Planned timetable:	To be arranged.			
covers basic principles visualisation techniques a for communication, explocontexts. Skills in designi	and tools, and discu pration and analysi	usses how these can is, and how to evalu	be effectively appliate information vi	lied in various scenarious in differe
_		u evaluating inform	ation visualisations	are reinforced throug
practical assignments.	Undergraduate -	before taking this m 22101). Postgraduate	odule you must pa	s are reinforced through ss CS2002 and (pass is module you must
practical assignments.	Undergraduate - CS2001 or pass CS5001 or pa	before taking this m 22101). Postgraduate	odule you must pa e - before taking th	ss CS2002 and (pass is module you must
practical assignments. Pre-requisite(s): Learning and teaching	Undergraduate - CS2001 or pass CS5001 or pass Weekly contact:	before taking this m 2101). Postgraduat ass CS5002	odule you must pa e - before taking th weeks), 1-hour se	ss CS2002 and (pass is module you must
Pre-requisite(s): Learning and teaching methods of delivery:	Undergraduate - CS2001 or pass CS5001 or pass CS500	before taking this m 2101). Postgraduat ass CS5002 3-hour lecture (x 11	odule you must pare - before taking the weeks), 1-hour seloursework = 60%	ss CS2002 and (pass is module you must minar (x 8 weeks)

Computer Science - Human Computer Interaction - 2018/9 - October 2018

One of:

SCOTCAT Credits:	60	SCQF Level 11	Semester	Full Year
Academic year:	2018/9			
Planned timetable:	To be arranged.			
a review of related wor testing, analyses and ev	k, the extension o valuation. The disso individually asses o give a presentat	f old or development ertation may also incl sed, taking into acco ion of their work.	student. Typically the dis of new ideas, software i ude an agreed collabora unt both individual and ase of msc and permissic	mplementation ar tively-written grou group submission
Anti-requisite(s)	You cannot take t	this module if you tak	ce CS5099	
		this module if you tak Meetings with super		
Anti-requisite(s) Learning and teaching		Meetings with super		

9 Dissertation in Computer Science						
SCOTCAT Credits:	60	SCQF Level 11	Semester	Full Year		
Academic year:	2018/9					
Planned timetable:	To be arranged.					
This module is an individually supervised MSc project on a topic in Computer Science. It results in a dissertation of no more than 15,000 words. Typically the dissertation comprises a review of related work the extension of old or development of new ideas, software implementation and testing, analyses and evaluation. Students are required to give a presentation of their work. Pre-requisite(s): Requires admission to dissertation phase of msc and permission of the head of						
Anti-requisite(s)	school You cannot take t	his module if you tak	e CS5098			
Anti-requisite(s) You cannot take this module if you take CS5098 Learning and teaching methods of delivery: Weekly contact: Meeting with supervisor.						
Assessment pattern:	Coursework = 100)%				
Module teaching staff:	TBC Module coord (dopgt-cs@st-and	` '	f Postgraduate Teaching	g - Computer Science		

Optional modules are available - see the pdf online called Computer Science optional modules 2018-2019