

School of Informatics Initial Course Proposal Form

This version was generated **September 24, 2018**. User 'gsanguin@inf.ed.ac.uk' verified.

Proposal

Course Acronym: ICDM
Course Name Issues in Clinical Data Modelling
Proposer's Name: Guido Sanguinetti
Email Address: gsanguin@inf.ed.ac.uk
Course Year: 1
Visiting Students: No
Names of any courses that this new course replaces :
none

Course Outline

Course Level: 11
Course Points: 10
Subject area: Informatics
Programme Collections:

Teaching / Assessment

No. of Lectures: 8
No. of Tutorials / Lab Sessions: 1
Identified Pre-requisite Courses: none
Identified Co-requisite Courses: none
Identified Prohibited Combinations: none

Assessment Weightings:

Formal Examination: 0%
Examination Type: None
Assessed Coursework: 70%
Oral Presentations: 30%

Description of Nature of Assessment:

Short report on data research challenges in one area of clinical research; brief presentation about the report.

Course Details

Brief Course Description:

The course aims to give CDT students an appreciation of the variety and heterogeneity in clinical data. The course will consist of a series of 2hrs lectures by clinical researchers (agreement in principle was obtained at the point of submission of the CDT bid, contact person Prof Tim Walsh, Director of R&D, NHS Lothian); students will also arrange a 1 day shadowing of one of the clinical experts, to gain direct

appreciation of the data acquisition protocols. Assessment will be through a short report (10 pages max) discussing data research issues in one specific area of clinical AI (to be evaluated by the host lecturer)

Detailed list of Learning Objectives:

- To gain a broad perspective of the variety of data-centred issues in clinical research
- To gain an appreciation of the opportunities for AI technologies to impact clinical research
- To gain an understanding of the data-acquisition and modelling challenges in one specific area of clinical research through a shadowing experience

-
-

Syllabus Information:

None

Recommended Reading List:

TBD

Any additional case for support information:

This is a new course which would be open only to the CDT in Biomedical Artificial Intelligence MSc (Res) students. The CDT application is currently under review with UKRI

Discussed with:

BoS Academic Secretary	<input checked="" type="checkbox"/>
SCAO	<input type="checkbox"/>
Director of Teaching	<input type="checkbox"/>