

Department of Software Engineering
 Building 70 # 1690
 Phone: (585) 475-5461

Application Domain Description

UNDERGRADUATE

Name of domain: Usability

This domain provides students with a broad exposure to the multidisciplinary field of human factors. Within this domain, students will acquire the knowledge and skills needed to work with diverse members of product teams such as graphic designers, usability engineers, and ergonomic specialists. This domain is useful for students who wish to understand the design and interaction issues involving the human user and the system itself.

Courses

<i>Course number</i>	<i>Course title</i>	<i>Prerequisites</i>
0514-433	Cognitive Psychology	1016-314, 0514-210
0303-516	Human Factors	1016-314
4002-455 or 4002-549	Needs Assessment Usability Testing	3 rd year standing and completion of a co-op block; 1016-314, 4010-444

Domain Prerequisites

<i>Course number</i>	<i>Course title</i>
1016-314	Engineering Statistics I (required SE)
0514-210	Introduction to Psychology (taken as LA elective)
4010-444	Engineering Methods for Software Usability (required SE0)

Note: Biology is recommended as your science sequence for participation in the Human Factors, and Psychology courses.

Considerations

Before you start on an application domain you should work through the impacts on your schedule. There may be a need to coordinate your co-op blocks based on the quarters in which courses are typically offered as well as considering course pre-requisite chains required within the application domain. Be sure to check with the sponsoring department to obtain the latest information on course prerequisites, scheduling, and registration constraints. Before embarking on a minor you should meet with the department sponsoring the minor to review their current minor requirements, register for the minor, and review scheduling strategies.

Last reviewed: 29 January 2008