1. 4005-89[31] MS Project/Thesis Seminar

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° RIT

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2. General Information

Course Title:
   MS Project/Thesis Seminar

Instructor:
   ◦ Dr. Hans-Peter Bischof (hpb@cs.rit.edu)

Office:
   ◦ 70-3005

Telephone:
   (585) 475-5568

Office Hours:
   Monday and Wednesday: 15:00-17:00,
   and by appointment
2.1. Syllabus
In this course the student will develop his Master’s Project or Thesis topic. It will be necessary for the student to make presentations in the class, form his committee and write a Master’s Proposal. This course must be completed prior to registering

Course organization
• lectures
• student presentation

2.2. Procedure
• Grad students who started in the fall have to take the 2 hour credit Graduate Project/Thesis Seminar New Program (4005-891). A grade will be assigned for this class.

2.3. Schedule
In the first two weeks the instructor will explain
— different faculty member will give a talk about their area of interest
— explain in which areas other faculty members are interested in
— explain what a proposal contains
— explain how a proposal should look like

The students have to give progress reports during the 8 week period. It is expected that each student presents at least three times during the 8 week period.

2.4. Grades
There are only four possible grades: A, B, I, and F.
A: A student finishes his/her proposal during the 10 week period.

The student does not have to come to class after she/he has a signed off project proposal (advisor/reader/person who runs the seminar) and is registered for the project. The A will be assigned to good and very good proposals. The advisor will be consulted to determine the quality of the proposal.

B: A student finishes his/her proposal during the 10 week period.

The student does not have to come to class after she/he has a signed off project proposal (advisor/reader/person who runs the seminar) and is registered for the project. The B will be assigned to not good or not very good proposals. The advisor will be consulted to determine the quality. It is expected that the advisor does not sign a 'lousy' proposal.

I: The student could not complete a proposal, but made a serious effort to complete the proposal. The effort part will be documented by a letter from the advisor. A possible version of this letter will be provided. It is expected that the student finish his proposal in the following quarter.

F: Else

The students will sign a document which describes how the grades will be assigned (read below). This document will be filed in their folder.
2.5. Withdrawing and Registering for the Course
A student needs the graduate coordinators approval if [s]he would like to register more than 2 times. I.e. a student needs the faculties approval if [s]he would like to register for the third, fourth, etc time.
2.6. Agreement
A electronic version of the signed paper can be found ° here.

3. Structure of the Course
• Faculty Interest
• Proposal
Student Presentation
• Grading

3.1. Pre Reqs
• Credit hours: ???
• GPA >= 3.0
4. Faculty Interest

See ° http://www.cs.rit.edu/people/contact.html

4.1. Theory
• Crypto
• Algorithms
• Security
• ....

4.2. Applied
• Networking
• Security
• Compiler
• Database
• Data Mining
• Distributed Computing
• ...

5. Proposal
Stolen and modified from: ° http://www.ce.rit.edu/academic/grad/handbook/index

5.1. Cover Page:
• The cover page should contain the thesis title, the name of the thesis faculty advisor, and the names of the faculty members that participate in the thesis committee. Committee members indicate their approval of the thesis topic by signing the cover page.

5.2. Statement of Thesis Objectives
A brief description of the project and a clear statement of the thesis objectives and the project deliverables

5.3. Literature Search
An annotated bibliography of the major related work in the field and how each of these works will be used to develop the theory section and how it relates to this project.

5.4. Thesis Outline
An outline of the proposed thesis document with major headings, e.g. chapters, sections, etc.

5.5. Timetable
A timetable of project activities until completion

5.6. Resources Needed
A description of all resources, including hardware, software and space required to complete this project and a statement about their availability

5.7. Committee Signatures
The thesis proposal should be signed by the principal thesis advisor and the reader members of the committee and submitted to the
Department Head.

6. September/15/2003


• Roger S. Gaborski, Ph.D
  Director, Laboratory for Applied Computing
  Associate Dean, B. Thomas Golisano College of Computing and
  Information Sciences
  Professor, Computer Science Department
  ° Dr Roger Gaborski

• Ankur M. Teredesai.
  Assistant Professor, Department of Computer Science, Rochester
  Institute of Technology. ° Dr. Ankur M. Teredesai

• Christopher M. Homan
  Assistant Professor, Department of Computer Science, Rochester
  Institute of Technology. ° Dr. Christopher Homan

6.2. Speaker Today

• ° Ashish Samant
  Topic: Using System Call Arguments and System Call Arguments
  and Return Values in Host Based Anomaly Intrusion Detection
  Systems