Course Number: ISM 761
Course Title: Seminar in Systems Development
Credits: 1.5 credit hours
Prerequisites: Permission of the Ph. D. Director
For Whom Planned: Doctoral Students in Information Systems

Instructor Information: Dr. Rahul Singh
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Office Hours: By Appointment
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Catalog Description:
In-depth study of methodologies and processes used for planning, design and implementation of Information Systems. Topics include: project management, development life-cycles, systems architectures, object-oriented design, development and evaluation metrics.

Student Learning Outcomes: Upon completion of this course, students will be able to:
- Understand and use the systems development life cycle in the analysis and design of systems
- Compare traditional methods of systems development with emergent methods.
- Document information system requirements.
- Prepare and present a feasibility study.
- Work successfully with a group of your peers on a common problem.

Teaching Strategies:
Classes will be taught through a combination of lectures, class discussions and presentations.

Evaluation Methods:
The course will be letter graded. A student’s final grade will depend on papers, presentations and participation (40%), final project (50%) and class participation (10%).

Written and oral communications is a critical element of systems development and adequate attention is paid to these elements of all written work submitted and presented in class.

Project:
You are to develop a research problem that you are interested in. I strongly encourage and fully expect to consult with each of you in developing the research question and the specific aspects that you would like to focus on.

The final deliverable must include the following.
• **Problem Statement:** A clear problem statement with an explanation of why the problem is interesting and relevant to the problem domain, and to systems analysis and development.

• **Contribution:** The contribution of the research to the existing body of knowledge in the area.

• **Relevant Literature Review:** A focused analysis of the existing body of research that identifies gaps in the existing research and establishes a need for the research.

• **Research Plan:** A preliminary discussion of how this research may be conducted, which takes into account the feasibility of the study and the appropriateness of the methodology employed to the nature of the research question being investigated.

• **Expected Outcome:** A discussion of the specific contribution that this research would make were you to actually perform the research.

I would encourage you pay particular attention to the Problem Statement and the Relevant Literature Review sections of the Project.

Please Note the following:
1. Keep in mind that this project is to be developed over the span of 8 weeks.
2. The FINAL due date for this project is: **March 2nd, 2006.**
3. **Your final project MUST be turned in to me by this date.**
4. Failure to do so WILL result in a poor grade for the class.
5. **I DO NOT want to give incompletes for the class.**

Should you have any questions regarding the project, your topic, or the write-up, please do not hesitate to contact me.

**Required Texts/Readings/References**
The following are representative readings for the class. A final list of readings will be made available on blackboard.


**Academic Integrity:**

Students should review the University’s Academic Integrity Policy in the student handbook or on-line at [http://saf.dept.uncg.edu/studiscp/Honor.html](http://saf.dept.uncg.edu/studiscp/Honor.html). The instructor should be contacted if any questions related to academic integrity arise.