COURSE NUMBER: ISTM 6210

COURSE TITLE: Integrated Information Systems Capstone

COURSE DESCRIPTION: Capstone project course in which students apply conceptual and technical knowledge in analyzing, planning, and designing an on-line information system. Culminates with system proposal/design presentations. Restricted to eligible students in their final semester.

PREREQUISITES: All ISTM core courses serve as prerequisites

CONTACT HOURS: Students will spend 2.5 hours per week in class. Required reading for the class meetings and written papers or projects are expected to average 6 hours per week. Over the course of the semester, students will spend 35 hours in in instructional time and 85 hours preparing for class. Instructional time includes formal team discussions and activities in class.

PROFESSOR: Subhasish Dasgupta, Ph.D.
Department of Information Systems and Technology Management
Office: Funger 515
Office Hours: Mondays 2:00 PM to 4:00 PM
Phone: (202) 994-7408
E-mail: dasgupta@gwu.edu (In email subject mention 6210 section number)
Video Conference: https://gwu.webex.com/meet/dasgupta

LEARNING OBJECTIVES:

1. Students will identify, analyze, design and implement an online business information system.
2. Students will be able to integrate knowledge from core domain areas within the field of information systems.
3. Students will be able to work effectively in a team
4. Students will be able to think critically, analyze the facts, and make intelligent choices regarding the efficient use of information technology and decision models.
5. Students will be able to communicate clearly and effectively in both writing and oral presentations.
6. Students will weigh the ethics and the impact on society as a whole when making a decision.
READINGS & MATERIALS: There is no required text for this course.

Optional reading includes the following:
- The Design of Everyday Things by Donald A. Norman (Doubleday, 1990) is a useful reference that stresses the need for improvements in the way all products (not only computer systems) are designed. Book will not be used as a required class text.

Student should keep in mind that this course covers a broad array of topics primarily directed at the completion of the capstone project. Therefore, it is very difficult to position any one text as fully covering all the topics and specific course objectives. The instructor will distribute (or post to Blackboard) additional handouts, current articles, and copies of relevant readings during the class.

GRADING: Project Presentations – Intermediate 10%
Project Documentation 50%
Final Presentation 20%
Assignments/Assessments 10%
Project participation (Peer Evaluation) 10%

Class participation grades will be based upon class attendance; contributions made during the classes, and demonstrated preparation for class project sessions and meetings with the instructor.

Project participation grades will be based on student's peer assessments, and the instructor’s critical assessment of each team members' contributions to the capstone team project. Students are required to actively participate – no “free-riding.”

ASSIGNMENTS: The overall purpose of this course is to help students develop a comprehensive understanding of the preparation, design and use of on-line business information systems. This course is the CAPSTONE course in the Master of Science in Information System Technology degree program from the Information Systems and Technology Management Department, School of Business at The George Washington University. It is normally taken during a student's final semester at the University. This course encompasses many of the topics covered in the other courses in this degree program. The course requires that students apply many of the topics covered in the other courses in the track in a simulated employee team or small group setting. Students will be introduced to the experience of designing an on-line information system, are required to complete an on-line system design document, and must develop a prototype online information system. All aspects of system design and planning are included.

The design document submitted as the final product of the course shall be well written. The document shall contain diagrams, tables, references, and documentation necessary to support the design of the proposed on-line system. Correct spelling, grammar, and proper use of appropriate technical terminology is required.
The prototype submitted with the design document shall contain a user interface, application programs, database, example data, draft user manual with instructions and screen shots as appropriate.

**METHOD OF INSTRUCTION:** Method of instruction for this course will be class discussion. The course will simulate a project management environment. Most of the discussion will be within groups. Instructor will formally meet with each group every class meeting either in class or online.

**ACADEMIC INTEGRITY:** The code of academic integrity applies to all courses in the George Washington School of Business. Please become familiar with the code. All students are expected to maintain the highest level of academic integrity throughout the course of the semester. Please note that acts of academic dishonesty during the course will be prosecuted and harsh penalties may be sought for such acts. Students are responsible for knowing what acts constitute academic dishonesty. The code may be found at: [http://www.gwu.edu/~ntegrity/code.html](http://www.gwu.edu/~ntegrity/code.html)

**UNIVERSITY POLICIES:** Religious Accommodation

Students should notify faculty during the first week of the semester of their intention to be absent from class on their day(s) of religious observance. Faculty should extend to these students the courtesy of absence without penalty on such occasions, including permission to make up examinations. Faculty who intend to observe a religious holiday should arrange at the beginning of the semester to reschedule missed classes or to make other provisions for their course-related activities.

**Disability Support Services (DSS)**

Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Rome Hall, Suite 102, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: [gwired.gwu.edu/dss/](http://gwired.gwu.edu/dss/)

**Mental Health Services 202-994-5300**

The University's Mental Health Services offers 24/7 assistance and referral to address students’ personal, social, career, and study skills problems. Services for students include: crisis and emergency mental health consultations confidential assessment, counseling services (individual and small group), and referrals. [counselingcenter.gwu.edu/](http://counselingcenter.gwu.edu/)