COURSE NUMBER: ISTM 4233

COURSE TITLE: Emerging Technologies (Cross-Listed with 6233)

COURSE DESCRIPTION: Exploration of new developments in scientific and technological innovation, including automation, energy, medicine, bioengineering, social science, information technology, and space. Emphasis on forecasting these technological advances and assessing their economic and social effects. The role of advancing technology in driving social change.

PREREQUISITES:

PROFESSOR: Elias G. Carayannis  
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LEARNING OBJECTIVES:

1. To become comfortable in discussing and applying various theories of technological change.
2. To become aware of the limitations of such theories and techniques in predicting future trends.
3. To become aware of several new and emerging information technologies and development techniques.
4. To develop the capacity to assess and predict the nature and dynamics of the interactions between people, cultures and technologies in a socio-technical context of the diffusion of technological innovations as well as the business, economic, and even socio-political implications of emerging information technologies like social networking technologies (such as privacy, civil society, health care, education, environmental as well as global competitiveness implications).

READINGS & MATERIALS:


**GRADING:**

1. Team Project I (30%)
2. Team Project II (50%)
3. Class Participation (20%)

**ASSIGNMENTS:**

1. Project I – Interview a CIO or CTO re an advanced / emerging it adoption decision
2. Project II – Advanced is / it feasibility / adoption study

**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: [g wired.gwu.edu/dss/](http://g Wired.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/)