The Institute of International Management is dedicated to providing a quality teaching and research environment to provide students with a broad, integrated knowledge of management in preparation for successful careers in business, government or academia.

### General Program Learning Goals (goals covered by this course are indicated):

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>Graduates should be able to communicate effectively verbally and in writing.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>Graduates should solve strategic problems with a creative and innovative approach.</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Graduates should demonstrate leadership skills demanded of a person in authority.</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Graduates should think with a global management perspective.</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Graduates should possess the necessary skills and values demanded of a true professional.</td>
</tr>
</tbody>
</table>

### Instructor:
Dr. Don J.F. Jeng

### Office:
Rm# 61411B (The 4th floor of Dept. of Business Administration Building)

### Office Hours:
By appointment

### Phone:
06-2757575 ext. 53017

### E-mail:
jeng@mail.ncku.edu.tw

### Class Time:
9:10-12:00 Wednesday

### Course TA:
Mr. Sambath Phou

### TA's E-mail:
sambathphou@yahoo.com

### Course Perspective:
This course focuses on the strategic management of technology and innovation in the business environment - both new firms and established firms. The conceptual framework of the course is an evolutionary process perspective on technology strategy and innovation. The fundamental ideas underlying this perspective are:

1) that a firm's technology strategy emerges from its technological competencies and capabilities,
2) that technology strategy is shaped by external (environmental) and internal (organizational) forces, and
3) that the enactment of technology strategy, through the experience a firm generates serves to further develop the firm’s technological competencies and capabilities.

Students are expected to learn the best (or worst) practices of production and operations management through case discussion.

### Course Objectives:
To develop an awareness of the range, scope, and complexity of the issues and problems related to the strategic management of technology and innovation, this course is designed:

- To develop an understanding of the “state of the art” of the strategic management of technology and innovation.
- To develop understanding about the process of bringing “newness” into an organization - through internal innovation and/or through external strategic alliances.
• To develop a conceptual framework for assessing and auditing the technology capabilities of a business organization.
• To develop insight concerning the skills necessary to be effective as a general manager in the innovation process and/or alliance building process.
• To offer some practice in defining and working out strategic management problems related to innovation and corporate technology management.

Course Outlines:
• Module 1: Laying the Foundation
  Unit 1.1 – Management of Technology and Innovation (MTI): An Overview
  Unit 1.2 – Strategy and the MTI
• Module 2: Innovation: Internal Strategy
  Unit 2.1 – Innovation: Planning
  Unit 2.2 – Internal Innovation: Implementation
  Unit 2.3 – Innovation: Evaluation and Control
• Module 3: Obtaining Technology: External Strategy
  Unit 3.1 – Obtaining Technology: Planning
  Unit 3.2 – Obtaining Technology: Implementation
  Unit 3.3 – Obtaining Technology: Evaluation and Control
• Module 4: Building Strategic MTI Success
  Unit 4.1 – Building Capabilities for MTI Success
  Unit 4.2 – Organizational Learning and Knowledge Management

Instruction Materials:
• Ivey Cases by Ivey Publishing (http://cases.ivey.uwo.ca/):
  • Talking About...RFID by Darren Meister and Ken Mark (Case# 9B05E011)
  • MapQuest by Paul W. Beamish and Kevin K. Boeh (Case# 9B04M044)
  • GigaNet, Inc. by Paul Croke and David T.A. Wesley (Case# 9B04M039)
  • Research in Motion: The Acquisition of Slangsoft (A) by Rod E. White and Ken Mark (Case# 9B03M009)
  • Qualcomm in China (A) by Joel West and Justin Tan (Case# 9B01M073)
  • HTC Corp. in 2009 by Renee Kim (Case# 9-709-466)
• Harvard Business Publishing (http://hbsp.harvard.edu/)
  • HTC Corp. in 2009 by Renee Kim (Case# 9-709-466)
• Unpublished, National Cheng Kung University
  • Solar Future Inc. by Christine Hunt, Devon Banks and Don J.F. Jeng
• Other references will be delivered or announced in the class.
• **Important Notice:** All the instruction materials must be legal copies. The TA will group purchase the cases for all class members. The cost is due before the third week of the semester.

Course Arrangement and Requirement:
• Students are expected to form a group of three (one leader and two members) for pre-class case discussion, homework assignment, and to work on a term project. Each team member should contribute equally to the group. Your final grade in this area will also be based on peer evaluations from your team members.

• This course will run mainly in case discussion format. You are expected to be prepared and participate in class discussion. **Do not come to class unprepared.**

• A term project will be assigned at the beginning of semester, which contains four portions: proposal, status report, case writing, and case lead.

• A textbook is assigned for reference. Referring the cases to the textbook is highly recommended. Your study prior to the class will be much helpful for participation. You are welcome to discuss with me for all the materials covered in the textbook.

• One guest speech and a field trip are incorporated in this course to enhance the learning. The cost of field trip will be fully (or partially if possible) on students’ own.

**Grading Policy:**

• Class attendance 10% (under normal circumstance, see Other Policies: 2)
• In-class participation 20%
• Homework assignment 10%
• Term project 60%
  • Project proposal (10%)
  • Project status report (10%)
  • Project case writing (20%)
  • Project case lead (20%)

**Class Schedule:** (The schedule is subject to change due to class circumstances)

<table>
<thead>
<tr>
<th>WEEK</th>
<th>DATE</th>
<th>TOPIC</th>
<th>READINGS (in advance)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2/24</td>
<td>Introduction and Overview of the Course</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3/3</td>
<td>Talking About...RFID by Darren Meister and Ken Mark</td>
<td>Ivey Case# 9B05E011</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Introduction to MTI</td>
<td>Chapter 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Introduction to the term project assignment</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3/10</td>
<td>MapQuest by Paul W. Beamish and Kevin K. Boeh</td>
<td>Ivey Case# 9B04M044</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Innovation—Planning</td>
<td>Chapter 3</td>
</tr>
<tr>
<td>4</td>
<td>3/17</td>
<td>GigaNet, Inc. by Paul Croke and David T.A. Wesley</td>
<td>Ivey Case# 9B04M039</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Obtaining Technology—Planning</td>
<td>Chapter 6</td>
</tr>
<tr>
<td>5</td>
<td>3/24</td>
<td>Term Project Proposal (Presentation)</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>3/31</td>
<td>Class suspended: holiday</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>4/7</td>
<td>Solar Future Inc. by Christine Hunt, Devon Banks and</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Don J.F. Jeng</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Strategy and the MTI</td>
<td>Chapter 2</td>
</tr>
<tr>
<td>Date</td>
<td>Event/Assignment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4/14</td>
<td>Guest Speech: Eric Tsai, General Manager, Advanced Renewable Energy Inc. (AREi)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4/21</td>
<td>Field Trip: AREi Solar Power Plant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4/28</td>
<td>Research in Motion: The Acquisition of Slangsoft (A) by Rod E. White and Ken Mark</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Obtaining Technology—Evaluation and Control (Ivey Case# 9B03M009 Chapter 8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5/5</td>
<td>Term Project Status Report (Report + Presentation Slides due 5/4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5/12</td>
<td>Term Project Status Report</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5/19</td>
<td>HTC Corp. in 2009 by Renee Kim</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Obtaining Technology—Implementation (Harvard Case# 9-709-466 Chapter 7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5/26</td>
<td>Qualcomm in China (A) by Joel West and Justin Tan</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Building Capabilities for MTI Success (Ivey Case# 9B01M073 Chapter 9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/2</td>
<td>Students’ Case Leading</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/9</td>
<td>Students’ Case Leading</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/16</td>
<td>Class suspended: Mid-autumn Festival</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/23</td>
<td>Students’ Case Leading</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/30</td>
<td>(Final Exam Week) Students’ Case Leading</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other Policies:**

1. **Assignment and Grading:**
   - All assignments must be typed not hand-written and must be submitted with a cover page typed on your name and student ID.
   - Assignment is due exactly at the prescribed time. **No late assignment is accepted.**
   - Any questions or complaints regarding the grading of an assignment or report must be raised **within one week** after the score or the graded assignment is made available.
   - All assignments and reports should be **your original work/concept.**

2. **Attendance:**
   - You must display your name tag in front of the desk for discussion purpose.
   - You have to sign the attendance sheet when enter the classroom.
   - If you sign for other students or do not sign on the attendance sheet, you will be regarded as “being absent” no matter what evidence you provide to the lecturer afterwards.
   - If you come in class late or leave early, your attendance counts a half of the day.
   - There is no need for you to ask for apology when you are absent from class.
   - Student leave (whether casual or sick leave) exceed one third (1/3) of the total lecture hours in the semester will automatically results FAIL in the final grade.

3. **Penalty for cheating and plagiarism will be extremely severe. Use your best judgment. If you are not sure about certain activities, consult the instructor. Standard academic honesty procedure will be followed and active cheating and/or plagiarism automatically results FAIL in the final grade.**
4. You are expected to come fully prepared to every class and responsible for everything discussed in class. Note your attendance and participation counts. You may receive a zero for absence or lack of participation.

5. No incomplete grade under nearly all situations unless one have sound reason and documented evidence. A student who received an incomplete must have completed or passed a significant portion of the course.

6. Pay very careful attention to your e-mail correspondence. It reflects your communication skills. Avoid use non-standard English such as "how r u?" in your e-mail message. In addition, I recommend you put the class number and a brief summary of your question in your e-mail subject. For example,

   Subject: RA53500 A question on term project.

7. I immediately discard anonymous e-mails.

8. The ringing, beeping, buzzing of cell phones and/or watches during class time is extremely rude and disruptive to your fellow students and to the class flow. Please turn all cell phones and watches off or into silent mode prior to the start of class.

9. For any disability accommodations needed for the course, please notify the instructor during the first week of the semester.