

UB - Department of Industrial and Systems Engineering
IE 326 Planning for Production and Service Enterprises
Fall 2011

1 COURSE CONTACT

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|-------------------|------|------------------|------------------|
| | Tue | 9:30 - 10:50 AM | 109 O'Brian Hall |
| o Class Meetings: | Wed | 10:00 - 10:50 AM | 119 Clemens Hall |
| | Thur | 9:30 - 10:50 AM | 109 O'Brian Hall |
- o Course Website: <http://ublearns.buffalo.edu>
 - o Instructor: Dr. Changhyun Kwon
 - E-mail: chkwon@buffalo.edu
 - Office: 400 Bell Hall
 - Office hours: Tue 2:00 PM - 3:00 PM, Wed 11:00 AM - 12:00 PM
 - o Teaching Assistant: XXX YYY
 - E-mail: xxx@buffalo.edu
 - Office: XXX Bell Hall
 - Office hours: M W 1:00 - 2:00 PM, or by appointment

When you email the instructor or TA, you need to include your name and the course number (IE 326). Please state “IE 326” explicitly in the subject of your email messages. Also, it is very helpful to set up your email client correctly so that your email message has your name as the sender.

2 COURSE DESCRIPTION

This course examines principles central to the planning of a production process. These include topics germane to the planning, scheduling, and control of production.

3 TOPICS COVERED

- o Fundamental ideas
- o Forecasting methods
- o Location analysis
- o Inventory management
- o Supply chain management
- o Push and pull systems
- o Project scheduling

4 REQUIRED TEXTBOOK

- o Ronald G. Askin and Jeffrey B. Goldberg, *Design and Analysis of Lean Production Systems*, Wiley, 2001.

5 ADDITIONAL REFERENCES

- Hopp and Spearman, *Factory Physics*, 2nd Edition, McGraw-Hill, 2001.
- Nahmias, *Production & Operations Analysis*, 4th Edition, McGraw-Hill, 2001.
- any other books on “*production planning*” “*production management*”, “*operations management*”, etc.

6 FINAL ESSAY

Essay (Tim Horton’s vs. Subway): bring your essay to the final exam. More details will be provided in class.

7 GRADING

There will be 10 (approximately) assignments, 15 (approximately) quizzes, 2 midterm exams and 1 final exam. While students are welcome to discuss homework problems with colleague students, but each student must hand in own write-up. The grading will be determined as follows:

- Assignments: 10% for all assignments (will be announced via emails and the course web page)
- Quiz: 10% for all quizzes, quiz will be taken in every recitation class. (in class)
- Midterm I: 20% (Tentatively scheduled on Sep 27, in class)
- Midterm II: 20% (Tentatively scheduled on Nov 17 , in class)
- Final: 30% (Tentatively scheduled on Dec 8, in class)
- Essay: 10%

8 COURSE POLICY

- Students are expected to check his or her email and the course website frequently, at least once a day, especially before the class day. Important announcements including homework assignments will be made via emails and the course website.
- Note that attendance is not included in the grading. However, attendance will be very important to learn the course material. Please try not to be late to the class. It is your responsibility for being a college student.
- Exams must be taken on the dates scheduled. Unless there is a medical emergency, make-up exams will not be given. Proof will be required.
- No kind of cheating is allowed. If you do, you will not receive a grade higher than ‘F’.
- Homework will be assigned at least a week prior to the due dates.
- Please turn in your assignments before or on the due date. No late turn-in will be accepted.
- The TA will return your assignments graded during the recitation meetings. Please do not miss. The recitation is a part of your credit and you have paid for it.
- Quizzes will be based on homework problems. Quizzes are not designed to give students more burden. Quiz problems will be made easy enough for students who solved homework problems by themselves.
- There is simply one very important rule in learning: keep asking questions to yourself. The TA and the instructor will help you.

9 ACADEMIC HONESTY AND INTEGRITY

The University at Buffalo has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work, for appropriate citation of sources, and for respect for others academic endeavors. By placing their name on academic work, students certify the originality of all work not otherwise identified by appropriate acknowledgments. Please take your time to visit <http://academicintegrity.buffalo.edu/>

One simple rule: If you fail to meet the UB policy and the instructor's policy for academic honesty and integrity, you will at least receive 'F', and it is possible that you are suspended or expelled from the university.

10 EXAMPLES OF ACADEMIC DISHONESTY

Academic dishonesty includes, but is not limited to, the following:

- *Previously submitted work.* Submitting academically required material that has been previously submitted in whole or in substantial part in another course, without prior and expressed consent of the instructor.
- *Plagiarism.* Copying or receiving material from any source and submitting that material as one's own, without acknowledging and citing the particular debts to the source (quotations, paraphrases, basic ideas), or in any other manner representing the work of another as one's own.
- *Cheating.* Soliciting and/or receiving information from, or providing information to, another student or any other unauthorized source (including electronic sources such as cellular phones and PDAs), with the intent to deceive while completing an examination or individual assignment.
- *Falsification of academic materials.* Fabricating laboratory materials, notes, reports, or any forms of computer data; forging an instructor's name or initials; resubmitting an examination or assignment for reevaluation which has been altered without the instructor's authorization; or submitting a report, paper, materials, computer data, or examination (or any considerable part thereof) prepared by any person other than the student responsible for the assignment.
- *Misrepresentation of documents.* Forgery, alteration, or misuse of any University or Official document, record, or instrument of identification.
- *Confidential academic materials.* Procurement, distribution or acceptance of examinations or laboratory results without prior and expressed consent of the instructor.
- *Selling academic assignments.* No person shall sell or offer for sale to any person enrolled at the University at Buffalo any academic assignment, or any inappropriate assistance in the preparation, research, or writing of any assignment, which the seller knows, or has reason to believe, is intended for submission in fulfillment of any course or academic program requirement.
- *Purchasing academic assignments.* No person shall purchase an academic assignment intended for submission in fulfillment of any course or academic program requirement.

11 DISABILITY SERVICES

If you have a disability and may require some type of instructional and/or examination accommodation, please inform me early in the semester so that we can coordinate the accommodations you may need. If you have not already done so, please contact the Disability Services office. The office is located at 25 Capen Hall and the telephone number is (716) 645-2608. The website is at: <http://www.ub-disability.buffalo.edu/>