MEM Program Spring 2014 Semester
April 18, 2013

OPIM 3103 introduces you to Management of Information Systems (MIS) concepts, tools and techniques used in various functions of a business enterprise. It covers the use of Microsoft Excel spreadsheets and Microsoft Access databases to address business information needs. Third part of this course covers HTML and Google Sites to give you a general idea how to design a website.

2. **OPIM 3652. Industrial Quality Control**
Semester by arrangement. Three credits. **Prerequisite:** STAT 1000 or 1100, and OPIM 3104 or MEM 2211; open to juniors or higher.
The economic control and assurance of quality and reliability with emphasis on management of the quality function. Included are: a conceptual treatment of statistical methods in quality control; control of quality during manufacture and at delivery of finished goods; planning for quality control and reliability; quality management, to include organization, economics, systems and procedures.

3. **MEM 3231. Computers in Manufacturing**
Second semester. Three credits. **Prerequisite:** ECE 3002 and MEM 2211, which may be taken concurrently.
The utilization of computers and information systems in manufacturing, with special emphasis placed on Computer Integrated Manufacturing (CIM). The study of actual CIM applications will be incorporated.

4. **MEM 4915W. Advanced Manufacturing Systems**--(CAPSTONE Senior Projects Course)
Second semester. Four credits. Two three-hour laboratory periods. **Prerequisite:** ME 3221 and MEM 2211; ENGL 1010 or 1011 or 3800.
Capstone design course for the MEM Program. Design applications involving construction and analysis of manufacturing system models. Students submit write-ups for several small projects. One large project is completed by all students in the course, with a written report and oral presentation. Projects incorporate major concepts studied in prior courses.

5. **OPIM 3801. Project Management**
Semester by arrangement. Three credits. **Prerequisite:** Instructor consent; open to juniors or higher.
This course provides an introduction to the concepts necessary for both project managers and project team members to deliver successful projects on time, on budget and in scope. The phases and knowledge areas of project management, as defined by the Project Management Institute (PMI), are covered as well as the tools and techniques in each area for successful project management. An introduction to Microsoft Project software will also be covered.

6. **Other Courses** – On a case by case basis other courses that will fit Lund University students’ goals and backgrounds can also be assigned based on advisor’s suggestions.