

MINUTES OF THE MEETING OF NOVEMBER 19, 2010

WORKING AGENDA AND DEVELOPMENT OF THE MEETING.

1. List of attendees.
2. Revision of the Industrial Engineering Curriculum.
 - 2.1 Final proposal of the courses.
 - 2.2 Verification of the hours of classes and identification of hours of laboratory.
3. Verify the basic sciences courses: probability and statistics.
4. Meeting of Experts.
5. Justification and Competencies Document.

1. List of attendees.

Enrique Fitch, César Barraza, Mauro Chavez, Carlos Orozco, Carlos González, Luisa Roses and Relief Lomelí.

2. Revision of the Industrial Engineering Curriculum

2.1 Final Proposal of the courses.

In attention to the learning outcomes that we hope to achieve in the program and the graduate profile of the industrial engineer, the proposed curriculum was verified and the changes were made to strengthen the weak areas detected:

- The Industrial Electronics course from the second semester changes to the Industrial Chemistry course.
- The Engineering Methods course is moved to the fifth semester.
- The Operations Research I and Operations Research II courses are moved and are placed on the sixth and seventh semester.
- The Plant Engineering course remains in the fourth semester.
- The Industrial Electronics course is moved to the fifth semester.
- The specialization courses are scheduled for the last year, two per semester.
- The Production III is taken out considering that in the specialization courses the Supply Chain topic is included.
- The courses included are: Industrial Administration Seminar on the eighth semester and Cost Engineering on the third semester.
- The Engineering Economic/Investment Projects course is moved to the sixth semester.

2.2 Verification of the hours of classes and identification of hours of laboratory.

- Four-hour courses: altogether, the syllabus of the Industrial Engineer maintains a number of 28 courses of four hours, which is according to the limit set by the College of Engineering.
- The courses: Linear Algebra, Manufacturing by Computer, and Simulation & Entrepreneurs of Technology are proposed for 3 hours to compensate.
- The courses that must have a laboratory are: Drawing I, Industrial Chemistry, Statics, Dynamics, Material Manufacturing, Industrial Electronics, and Engineering Methods:

1. Verify the basic sciences courses: Probability and Statistics.

In regards to the proposed content for the course, the Academy recognizes the importance that all Engineering programs know and dominate the corresponding material to Descriptive Statistics, but given the time available and that there are programs that will study the Statistical Inference course, the proposal is that the content should focus on the following topics: Descriptive Statistics, Probability, Conditional Probability, and Regression Analysis

4. Meeting of Experts.

- To identify the experts that will be invited to the meeting: industrialists or with graduate studies, management levels, and experience in the area.
- To conduct the event by campus; Tijuana joins the meeting from Ensenada or Mexicali.
- Schedule it for early December.

5. Format of Competencies.

- a. We need to make the switch of the courses on competencies.
- b. We need to integrate the content of the justification document of the industrial engineering program. The directors are requested the outline document to carry it out.
- c. Once the above two points are carried out, the revision of style and alignment is required in order to proceed with the format of competencies; the Industrial Engineering academy would have outstanding the Introduction to the Academic Program and the Industrial Chemistry courses for the first year.
- d. We require formal approval of the curriculum that the academy proposes on behalf of the School and College Directors to proceed and carry out the competencies tasks.

Ensenada, B.C. November 19, 2010

ATTENDEES	SIGNATURE
CARLOS SOLORIO	
ENRIQUE FITCH	
MAURO CHAVEZ	
CESAR BARRAZA	
LUISA ROSAS	
SOCORRO LOMELI	
CARLOS GONZALEZ	