

### MINUTES FROM THE MEETING OF THE INDUSTRIAL ENGINEERING ACADEMY

On Tuesday January twelve two thousand ten at sixteen hundred hours, the Industrial Engineering Academy got together at the Video Conference Halls of the Mexicali and Ensenada Campuses to carry out a work meeting with the following order of the day:

1. List of attendees.
2. Objectives of the meeting.
3. Industrial Engineering Learning outcomes selection.
4. Identification of the Competencies impact in the Industrial Engineering curricular redesign.
5. General Issues.

#### 1. LIST OF ATTENDEES.

The members of the academy that attended: *Enrique Fitch Manjares, César Barraza Montoya, Ezequiel Rodríguez Ríos, & María del Socorro Lomelí Sánchez.* We had as an invited expert *Carlos Antonio González Campos.*

#### 2. OBJECTIVES OF THE MEETING:

- To define the Industrial Engineering Undergraduate Program framework as far as objectives and learning outcomes.
- To identify the impact of Competencies in the curricular redesign of the Industrial Engineering Undergraduate Program.
- To establish the general work plan for the 2010 January – June semester.

#### 3. INDUSTRIAL ENGINEERING UNDERGRADUATE PROGRAM FRAMEWORK

The strategic objectives of the Industrial Engineering Program are (the Development Vision document prepared by Cesar Barraza, February 2003):

- To have Industrial Engineers finish their undergraduate program exceptionally qualified: individuals with excellent skills for solving problems and for having technological and leadership skills.
- To prepare students, alumni, and administrators to successfully develop in the field of industrial engineering as well as to face administrative problems.
- To expand the borders of human knowledge by creating the educational foundation for the next cohort of students; providing an educational research program by focusing on the quality of student training, so they can successfully face the professional practice as well as research activities.
- To provide leadership on the definition of the direction and the required changes in the field of Industrial Engineering that positively impacts the CETYS University community.

#### **4. VERIFICATION AND DEFINITION OF THE LEARNING OUTCOMES.**

On the meeting of December 14, 2007, a learning outcome was defined for each one of the areas of education training that comprise the Industrial Engineering program, which are included in the following:

1. To develop and manage the supply chain with a comprehensive vision; starting from the detection of the needs of the client up to the delivery of the product and/or service by using materials and processes that respond to the requirements of a sustainable society.
2. To apply optimization models for designing, managing, and improving systems that respond to the Global strategy of competence of the organization in the production of goods and services with a continuous improvement focus.

#### **5. IDENTIFICATION OF THE COMPETENCIES IMPACT IN THE CURRICULAR REDESIGN.**

It is recommended to verify the impact of the Competencies Program in the curricular redesign of the program to incorporate them to the work plan.

#### **6. GENERAL ISSUES.**

With the purpose of complying with the work program regarding the verification of the syllabi for the renewal of the Industrial Engineering program, it is recommended to incorporate the observations derived from the analysis carried out to the following documents:

- CENEVAL exam guide.
- Image study (as far as opinion leaders, chambers, and employers).
- Alumni study.
- Comparative of the Industrial Engineering program syllabi offered by: Instituto Tecnológico de Estudios Superiores de Monterrey (ITESM), & the Georgia Institute of Technology, Georgia Tech.
- Program Competencies by SEP (Education Department).

#### **7. COMMITMENTS.**

- Socorro Lomelí requested to the Marketing Departments and Alumni the corresponding image and alumni studies.
- Carlos González will provide the corresponding Competencies document.
- César Barraza will provide the Development Vision document of the Industrial Engineering Undergraduate Program.
- Enrique Fitch will provide the syllabus of the ITESM Industrial Engineering Undergraduate Program.
- A face-to-face meeting is proposed with the members of the academy for the analysis and incorporation of the different documents next Friday, January 22.

ATTENDEES

<b>Member of the Academy</b>	<b>Signature</b>
Enrique Fitch Manjares	
César Barraza Montoya	
Ezequiel Rodríguez Ríos	
María del Socorro Lomelí Sánchez	
<b>Invited Experts</b>	<b>Signature</b>
<i>Carlos Antonio González Campos</i>	