Module title: Chemical Engineering Technical Language

Module Code: 24-18-050-01

Module Credit: 2

Term: Second Term 1398-99

Lecturer: Prof. A. Samimi
a.samimi@eng.usb.ac.ir

Lecturing time: Sun. (9:30-11:30)

Assessments: Final term exam 60%
Home works 20%
Technical article and seminar 20%

Class attendance: REGULAR ATTENDING IS IMPORTANT AND EACH SESSION YOUR ATTENDANCE WILL BE CHECKED

References: ENGLISH FOR CHEMISTRY and CHEMICAL ENGINEERING Exercise Book

Basic Principles and Calculations in Chemical Engineering
David M. Himmelblaue

Handover Papers

Module Subjects: The chemical engineering technical language course is included of the following subjects:

1- Introduction to chemical engineering
   - Essence and etymology of chemical engineering
   - History of chemical engineering
2- General chemical engineering concept
- Chemical reaction
- Fluid mechanics
- Thermodynamics
- Heat transfer
- Mass transfer
- Unit operations

3- Branches of chemical engineering
- Nanotechnology
- Biochemical engineering
- Ceramics
- Food engineering
- Polymer engineering
- Material science

4- Scientific and technical writing in English

5- M.Sc. and Ph.D. entrance examinations