

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	
Course number	CHEM4249
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Contents

- 1 - Polymer physical chemistry
- 2 - molecular weight distribution and types of polymerization as well as more advanced topics like viscosity
- 3 - polymer characterization
- 4 - phase behavior and bulk properties.
- 5 - Techniques for characterizing molecular weights of polymers
- 6 - polymer chain statics and solution thermodynamics,
- 7 - physical and chemical basis of mechanical
- 8 - thermal, electric and optical properties observed for polymers are also provided