



**Jordan University of Science and Technology**  
**Faculty of Engineering**  
**Chemical Engineering Department**

CHE412 Polymer Science And Technology

First Semester 2022-2023

**Course Catalog**

3 Credit Hours. Chemistry and physics of polymers, fundamentals of polymer synthesis, addition and condensation polymers, mechanisms and kinetics of polymerization reactions, polymerization techniques, suspension and emulsion, properties of polymeric materials and polymers reinforced by fibers, polymers manufacturing techniques, polymer rheology, methods of polymer fabrication, casting, blow molding, injection molding, extrusion, polymeric solutions, degradation.

**Instructor**

Name	Prof. Deeb Abu Fara
Office Location	-
Office Hours	
Email	diabufara@just.edu.jo

**Class Schedule & Room**

Section 1:  
Lecture Time: Mon, Wed : 10:00 - 11:30  
Room: CH2106

**Prerequisites**

Line Number	Course Name	Prerequisite Type
223320	CHE332 Chemical Reaction Engineering 1	Prerequisite / Study
912170	CHEM217 Organic Chemistry	Prerequisite / Study
822170	HSS217CHEM Organic Chemistry	Prerequisite / Study

**Relationship to Program Student Outcomes (Out of 100%)**

1	2	3	4	5	6	7

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