

INORGANIC CHEMISTRY II
2016-2017

Bachelor Degree:	Chemistry	702G
Course title:	Inorganic Chemistry II	523
Year/Semester:	3 / 1	ECTS Credits: 6,00

DEPARTMENT

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CONTENTS

- UNIT1. Symmetry and Group Theory
- UNIT2. Coordination Chemistry: Bonding models
- UNIT3. Coordination Chemistry: Stereochemistry
- UNIT4. Coordination Chemistry: Reactions and Mechanisms
- UNIT5. Introduction to Organometallic Chemistry: Ligands, Bonding and Reactions
- UNIT6. The Crystalline Solid State: Structures; Bonding in solids; Synthesis of inorganic solids

REFERENCES

Title
Inorganic chemistry / Gary L. Miessler, Donald A. Tarr-- 4th ed., international ed-- Upper Saddle River (New Jersey) : Pearson-Prentice Hall, [2011]
Inorganic chemistry / D. F. Shriver, P. W. Atkins—5th ed-- Oxford [etc.] : Oxford University Press, 2010
Inorganic chemistry / Catherine E. Housecroft, Alan G. Sharpe. Pearson, 2012
Inorganic chemistry: principles of structure and reactivity / James E. Huheey, Ellen A. Keiter, Richard L. Keiter—4th ed-: Oxford University Press, [1997]
Solid state chemistry : an introduction / Lesley E. Smart, Elaine A. Moore—4th ed—CRC Press_Taylor & Francis, 2012
Basic solid state chemistry / Anthony R. West-- 2nd ed-- Chichester (England) : John Wiley & Sons, 2002
Inorganic structural chemistry / Ulrich Müller-- 2nd ed-- Chichester, West Sussex (England) : John Wiley & Sons, [2007]

EVALUATION SYSTEM

Written Exams (70%, recoverable)
Observation Techniques (10%, unrecoverable)
Projects and Homework (20%, unrecoverable)