



## Course Syllabus

Year: 2019/2020

Semester: Second

Course No.	Course Title	Prerequisite	Co-requisite	Credit Hours/ ECTS
101446	Scientific writing and Seminar	90 credit hours	90 credit hours	1/ 4 ECTS: European Credit Transfer System

Instructor Name	e-mail	Office No.	Office ext.	Office Hours
Hadeel Al-Sinjilawi	halsinjilawi@uop.edu.jo	7203	7203	Sun, Tue, Thu: 9:00-10:00, Sun: 11:00-1:00

<b>Coordinator's Name:</b>	Hadeel Senjlawi
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<b>Course Description</b>	This course provides the essential knowledge and practice concerning issues such as literature survey, citation guidelines, copyrights, plagiarism and scientific writing rules. Students should learn how to apply tools and concepts of conducting research activities and writing scientific publications.
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### Course Objectives

- To search and access chemical information in internet and literature survey in chemistry data bases.
- To provide students of chemistry with searching skills associated with data processing (collection, computation, analysis, plotting).
- To provide students with a knowledge and skills base from which they can proceed to further studies in specialized areas of chemistry or multi-disciplinary areas involving chemistry.

### **Course Intended Learning Outcomes (ILOs) and their Alignment with Program ILOs, Teaching, Learning, and Assessment Methods:**

Upon successful completion of this course, students are expected to achieve the following learning outcomes:

Course ILOs	Program ILOs	Teaching and Learning Method	Assessment Method
<b>Knowledge (K)</b>			
Demonstrate knowledge and understanding of essential facts, concepts, principles and theories, perform experiments and find suitable industrial applications related to organic, inorganic, analytical and physical chemistry.	<b>K1</b>	Conduct hours	
Nomenclature and use the suitable terminology of chemical compounds either by common names or systematic (IUPAC) names.	<b>K2</b>	Conduct hours	
<b>Intellectual Skills (I)</b>			

Explain the nature and behavior of chemical compounds, their classification, chemical structure, reactivity, mechanisms, physical properties, and characterizations using different techniques.	<b>I1</b>	Conduct hours	Report and presentation
<b>Transferable Skills (T)</b>			
Communication skills, covering both written and oral communications.	<b>T1</b>	Conduct hours	
<b>Practical Skills (P)</b>			
Use the scientific literature effectively and demonstrating scholarship in their research.	<b>P5</b>	Conduct hours	

### Course Schedule:

Week	Topic Details	Course ILO number	Reference
1	Choosing the seminar title together with the supervisor	-	-
2	The major rules of scientific writing	K1, P5	1
3	Writing scientific papers, citation rules	K1, P4, P5	1
4	Copy writes and Plagiarism	K1, P4, P5	1
5	The rules of writing references (books, article, theses)	K1	
6	The concepts of scientific research and literature survey	P5	1
7	Visiting the university library to explore the data bases (EBSCO, Sci-finder, Ebrary)	P5	1
8-11	Weekly meetings of supervisor-student	K1, P4	-
12-14	Supervisor revisions for the written material of the seminar	K1, P4	-
15	Students presentations and discussion with examiners	T1, P5	-

### Assessment Methods:

Assessment method	Grade	Comments
Semester work	30	
Report	30	
Final Exam and Students presentations	40	
<b>Total</b>	<b>100</b>	

### Learning References:

<p><b>1- References:</b></p> <ul style="list-style-type: none"> <li>The Art of Scientific Writing: From Student Reports to Professional Publications in Chemistry and Related Fields, 2<sup>nd</sup> edition, by Hans F. Ebel, Claus Bliefert and William E. Russey, 2004.</li> <li>The art of scientific writing, November 2013, Journal of Indian Society of Pedodontics and Preventive Dentistry 31(4) :213-214, DOI: 10.4103/0970-4388.121813</li> </ul> <p><b>2- Other Resources:</b> Library and Computer labs, course notes.</p>
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**Course Policies**<sup>1</sup>

- Attendance Policy: University regulations apply to attendance.
- Academic Honesty: Academic dishonesty is an unacceptable mode of conduct, and will not be tolerated in any form at University of Petra. All persons involved in academic dishonesty and plagiarism in any form will be disciplined in accordance with University rules and regulations.

Approved by	Name	Date	Signature
Head of Department	Dr. Abdelmnim Altwaiq	24/02/2020	
Faculty Dean	Prof. Rami Abdel-Rahem	26/02/2020	



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<sup>1</sup> Additional information may be added in this section according to the nature of the course.