**Course Syllabus**

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| **1** | **Course title** | Seminar in Pharmaceutical Sciences |
| **2** | **Course number** | **1201571** |
| **3** | **Credit hours** | 1 (theory) |
| **Contact hours (theory, practical)** | 1 (theory) |
| **4** | **Prerequisites/corequisites** |  |
| **5** | **Program title** | B.sc in Pharmacy/Pharm D |
| **6** | **Program code** | 1201571 |
| **7** | **Awarding institution**  | The University of Jordan |
| **8** | **School** | Pharmacy |
| **9** | **Department** | Pharmaceutical Sciences |
| **10** | **Course level**  | Undergraduate |
| **11** | **Year of study and semester (s)** | 2021/2022 – first semester |
| **12** | **Other department (s) involved in teaching the course** | ---- |
| **13** | **Main teaching language** | English |
| **14** | **Delivery method** | ☐Face to face learning Blended ☑Fully online |
| **15** | **Online platforms(s)** | ☑Moodle ☑Microsoft Teams ☐Skype ☐Zoom ☐Others………… |
| **16** | **Issuing/Revision Date** | October 17, 2021 |

**17 Course Coordinator:**

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| Prof. Muhammed Alzweiri and other colleaguesOffice No.: 365Phone No.: + 962 65355000 (23365)Email: m.alzweiri@ju.edu.joOffice hours: follow instructors’ announcements |

**18 Other instructors:**

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| NA |

**19 Course Description:**

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| Preparation of a research project in a specific topic in the field of pharmaceutical sciences under the supervision of department members. Presentation and oral discussion are required. |

**20 Course aims and outcomes:**

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| A- Aims:1. Understanding the definition, basics and types of separation and chromatographic techniques.
2. Understanding the importance and various application of chromatography in pharmacy.
3. Recognizing the variables of chromatographic process and the best conditions to achieve the best results.
4. To get familiar with some common and specialized chromatographic techniques (e.g. hyphenated systems), pharmacopoeial drug analysis (assay related substances), bioanalysis, and method development and validation.

B- Students Learning Outcomes (SLOs): Upon successful completion of this course, students will be able to:

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| SLOsSLOs of the course |
| 1-Develop literature review performing skills, and extraction of information from scientific articles by exposing the students to the different useful databases used in the field of pharmaceutical sciences. |
| 2-Integrate and apply their knowledge of basic pharmaceutical science to prepare a mini review with all its structural components. |
| 3-Develop students' presentation skills and encourage them to think critically.  |
| 4-Develop scientific writing skills. |
| 5-Collect information from appropriate sources. |
| 6-Acquire good theoretical background in the area of research and improve critical thinking skills. |
| 7-Apply knowledge gained during the course to present cohesive scientific report and presentation. |

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**21. Topic Outline and Schedule:**

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| **Lecture** | **Topic** | **Intended Learning Outcome** | **Learning Methods (Face to Face/Blended/ Fully Online)** | **Platform** | **Synchronous / Asynchronous Lecturing** | **Evaluation Methods** |
| 1 | **Drawing structures**  | 1,2 | online | ELearning | recorded | Presentation and report |
| 2 | **Referencing** | 1,2,5 | online | ELearning | recorded | Presentation and report |
| 3 | **Presentation skills** | 3,7 | online | ELearning | recorded | Presentation and report |
| 4 | **Plagiarism** | 1,2,5 | online | ELearning | recorded | Presentation and report |
| 5 | **Scientific writing** | 1,2,5 | online | ELearning | recorded | Presentation and report |
|  | **Submitting presentation and report** |  |   |  |  |   |
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**22 Evaluation Methods:**

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| Opportunities to demonstrate achievement of the SLOs are provided through the following assessment methods and requirements:

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| **Evaluation Activity** | **Mark** | **Topic(s)** | **SLOs** | **Period (Week)** | **Platform** |
| **report** | 30 |  All topics except presentations | 1-7 | At the end of the semester (announced) | ELearning (Moodle) |
| **report** | 40 |  Material after mid exam | 1-7 | At the end of the semester (announced) | ELearning (Moodle) |
|  Oral Presentation |  15 |  presentations | 1-4 |  9.2-10.1 |  M.teams |
| Reports | 15 | presentations | 1-4 | 11.1 | Moodle |

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**23 Course Requirements**

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| **(Students should have a computer/smartphone/tablet, internet connection and account on a Microsoft teams):**  |

**24 Course Policies:**

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| A- Attendance policies:According to the University RegulationsAttendance: Mandatory.First warning – with 4 absencesLast warning – with 5 absencesFailing in the subject – with 6 absencesB- Absences from exams and handing in assignments on time:Will result in zero achievement unless health report or other significant excuse is documented.C- Health and safety procedures: NAD- Honesty policy regarding cheating, plagiarism, misbehavior:The participation, the commitment of cheating will lead to applying all following penalties together1) Failing the subject he/she cheated at2) Failing the other subjects taken in the same course3) Not allowed to register for the next semester. The summer semester is not considered as a semesterE- Grading policy:Semester Works 30 Marks (presentations and reports)Mid 30 MarksFinal 40 MarksF- Available university services that support achievement in the course:Classrooms, , library, internet classes, E-Learning |

**25 References:**

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**26 Additional information:**

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| **Course Material and Announcements:** Students need to use the e-learning page at the JU website in order to get all lecture handouts and guidelines which will be uploaded there. In addition, course related announcements and exam results will be posted on the e-learning page and **it is the responsibility of each student to check the site regularly**.Username and password to access the course on the e-learning page will be provided to students in the beginning of the semester.**Grievance Policy**According to the general policies applied at the University of Jordan for grievance, when there is a complaint or conflict between a student and an academic/staff member or another student, the following procedures must be followed:1. The student writes a formal complaint describing the situation of conflict to the Dean of the School or the President of the University.
2. Dean or President will first try to resolve the controversy by meeting/listening to both parties.
3. If agreement was not possible, Dean or president forms an investigation committee which will follow, within a specified timeline, the general policies for relevant circumstances. The following points are considered:

a.       The committee will meet/talk to both parties and witnesses (if applicable) within two weeks of conflict.b.      All meetings and discussions are documented according to the university policies. c.       Results/ recommendations will be sent to the Dean or President who is responsible for their  implementation |

Name of Course Coordinator: - Prof. Muhammed Alzweiri -Signature: --m,alzweiri--- Date: -8/11/20221------------------

Head of Curriculum Committee/Department: ---------------------------- Signature: ------------------------------------

Head of Department: ------------------------------------------------------------ Signature: ------------------------------

Head of Curriculum Committee/Faculty: ---------------------------------------- Signature: ---------------------------

Dean: ---------------------------------------------------------- Signature: -------------------------------------------