# Course Syllabus

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| 1 | **Course title** | Systems Analysis and Design |
| 2 | **Course number** | (1605323) |
| 3 | **Credit hours** | 3 |
| | **Contact hours (theory, practical)** | 3 |
| 4 | **Prerequisites/corequisites** | 1605320 |
| 5 | **Program title** | BA Management Information Systems |
| 6 | **Program code** | 1605 |
| 7 | **Awarding institution** | University of Jordan |
| 8 | **School** | Business |
| 9 | **Department** | Management Information Systems |
| 10 | **Course level** | Bachelor |
| 11 | **Year of study and semester (s)** | 2022 - 2023 / 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 2022 |

**17 Course Coordinator:**


Name: Dr. Hazar Y. Hmoud Contact hours: 9.30 – 10.30

Office number: Phone number: 24288

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ACCREDITATION & QUALITY ASSURANCE CENTER

**18 Other instructors:**

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| Name:<br>Office number:<br>Phone number:<br>Email:<br>Contact hours:<br>Name:<br>Office number:<br>Phone number:<br>Email:<br>Contact hours: |

**19 Course Description:**

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| To introduces the students to the concepts and skills of system analysis and design. It includes expanded coverage of systems types, feasibility analysis, data collection, planning projects, data flow diagrams, data dictionary, process specifications, and reporting. The module focuses on understanding four main topics: Systems analysis fundamentals, Information requirement analysis, Analysis process and developing solutions, and Quality assurance, implementation and evaluation |

**20 Course aims and outcomes:**

A- Aims:

B- Students Learning Outcomes (SLOs):

Upon successful completion of this course, students will be able to:

| SLOs / SLOs of the course | PLO (1) | PLO (2) | PLO (3) | PLO (4) | PLO (5) | PLO (6) | PLO (7) | PLO (8) | PLO (9) |
|---|---|---|---|---|---|---|---|---|---|
| 1. Knowledge related skills | X | | | X | | | | | |
| 2. Intellectual analytical and cognitive skills | | | | | X | X | X | | |
| 3. Subject specific skills | | | | | | | | X | |
| 4. Transferable key skills | | | | | | | | | X |

## 21. Topic Outline and Schedule:

| Week | Lecture | Topic | Intended Learning Outcome | Learning Methods (Face to Face/Blended/ Fully Online) | Platform | Synchronous / Asynchronous Lecturing | Evaluation Methods | Resources |
|---|---|---|---|---|---|---|---|---|
| 1 | 1.1<br>1.2<br>1.3 | Chapter 1: Systems, roles and development methodologies | 1 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |
| 2 | 2.1<br>2.2<br>2.3 | Chapter 1: Systems, roles and development methodologies | 1 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |
| 3 | 3.1<br>3.2<br>3.3 | Chapter 2: Understanding and modeling organizational systems | 2 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |
| 4 | 4.1<br>4.2<br>4.3 | Chapter 3: Project management | 2 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |
| 5 | 5.1<br>5.2<br>5.3 | Chapter 4: Information gathering I | 2 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |
| 6 | 6.1<br>6.2<br>6.3 | Chapter 4: Information gathering I | 2 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |
| 7 | 7.1<br>7.2<br>7.3 | Chapter 5: Information gathering II | 3 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |

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| 8 | 8.1<br>8.2<br>8.3 | Chapter 7: using data flow diagrams | 3 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |
| 9 | 9.1<br>9.2<br>9.3 | Chapter 7: using data flow diagrams | 3 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |
| 10 | 10.1<br>10.2<br>10.3 | Chapter 7: using data flow diagrams | 3 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |
| 11 | 11.1<br>11.2<br>11.3 | Chapter 7: using data flow diagrams | 3 | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |
| 12 | 12.1<br>12.2<br>12.3 | Chapter 9: Process specifications and structured decisions | 4 | **Face to Face** | Moodle | **Synchronous** | Project defense | Computer Lab |
| 13 | 13.1<br>13.2<br>13.3 | Project discussion | 4 | **Face to Face** | Moodle | **Synchronous** | Project defense | Computer Lab |
| 14 | 14.1<br>14.2<br>14.3 | Project discussion | 4 | **Face to Face** | Moodle | **Synchronous** | Project defense | Computer Lab |
| 15 | 15.1<br>15.2<br>15.3 | 9 | All | **Face to Face** | Moodle | **Synchronous** | Exam / online work and participation | Lecture and Computer Lab |

## 22 Evaluation Methods:

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

| Evaluation Activity | Mark | Topic(s) | SLOs | Period (Week) | Platform |
|---|---|---|---|---|---|
| Midterm | 30 | | | TBD | On campus |
| Quiz | 20 | | | Pop | On campus |
| Project | 10 | | | Sunday 1st January 2023 | Elearning for submissions<br>On campus for discussions |
| Final | 40 | | | TBD | On campus |
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## 23 Course Requirements

**(e.g: students should have a computer, internet connection, webcam, account on a specific software/platform…etc):**

## 24 Course Policies:

A- Attendance policies: Students are not allowed to miss more than 15% of the classes during the semester. Failing to meet this requirement will be dealt with according to the university disciplinary rules.

B- Absences from exams and submitting assignments on time: If you're absent from one or more of your examinations for medical or other mitigating reasons, you must fill in an Extenuating Evidence form. You can get it from your Faculty Office. Complete it and hand it in to your Faculty Office – with supporting evidence for the end-of-year examinations. If you can't hand in a piece of homework by its deadline, you can't submit it after that.

C- Health and safety procedures: No smoking in the department. Fire alarm call points are red 'Break Glass' boxes and are located on exit routes from the department and elsewhere. Keep all fire doors and fire exit routes clear at all times

D- Honesty policy regarding cheating, plagiarism, misbehavior: Following the university law and regulations

E- Grading policy: Following the university law and regulations

F- Available university services that support achievement in the course: Computer lab with the needed software

## 25 References:

A- Kendall, K.E. and Kendall, J.E., 2011. Systems analysis and design. Prentice Hall Press.

B- Recommended books, materials, and media:

## 26 Additional information:

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| **Name of Course Coordinator:** Dr. Hazar Y. Hmoud **Signature:** Dr. Hazar Y. Hmoud **Date:** 2/10/2022 |
| Head of Curriculum Committee/Department: ---------- Signature: ---------- |
| Head of Department: ---------- Signature: ---------- |
| Head of Curriculum Committee/Faculty: ---------- Signature: ---------- |
| Dean: ---------- Signature: ---------- |