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|---------------|--------------------------------|--|
| SUJ-01-05-01A | رقم النموذج                    | <b>نموذج</b><br><b>مخطط مادة دراسية/ انجليزي</b><br><b>Course Syllabus</b> |
| 27-10-2022    | تاريخ الإصدار                  |  |
|               | رقم وتاريخ المراجعة أو التعديل |  |
|               | رقم قرار اعتماد مجلس العمداء   |  |
|               | تاريخ قرار اعتماد مجلس العمداء |  |
| 07            | عدد الصفحات                    |  |

|     |   |   |
|-----|---|---|
| 1.  | <b>Course title</b>   | Information Resource Management   |
| 2.  | <b>Course number</b>  | 1903235   |
| 3.  | <b>Credit hours</b>   | 3   |
|     | <b>Contact hours (theory, practical)</b>                    |   |
| 4.  | <b>Prerequisites/corequisites</b>                           | Information Technology Fundamentals (1903101)   |
| 5.  | <b>Program title</b>  | Business Information Technology   |
| 6.  | <b>Program code</b>   | 04  |
| 7.  | <b>Awarding institution</b>                                 | University of Jordan  |
| 8.  | <b>School</b>   | King Abdullah II for Information Technology   |
| 9.  | <b>Department</b>   | Information Technology  |
| 10. | <b>Course level</b>   | 3   |
| 11. | <b>Year of study and semester (s)</b>                       | Fall 2022-2023  |
| ١٢. | <b>Other department (s) involved in teaching the course</b> | NA  |
| ١٣. | <b>Main teaching language</b>                               | Engliash  |
| ١٤. | <b>Delivery method</b>                                      | × Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online  |
| ١٥. | <b>Online platforms(s)</b>                                  | <input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom<br><input type="checkbox"/> Others..... |
| ١٦. | <b>Issuing/Revision Date</b>                                | October 2022  |

**١٧. Course Coordinator:**

|                |                   |                             |
|----------------|-------------------|-----------------------------|
| Name:          | Dr. Dana Al Qudah | Contact hours: Monday 10:30 |
| Office number: | -                 | Phone number: 06/5355000    |
| Email:         | d.qudah@ju.edu.jo |                             |

**١٨. Other instructors:**

|                |
|----------------|
| Name:          |
| Office number: |
| Phone number:  |
| Email:         |
| Contact hours: |
| Name:          |
| Office number: |
| Phone number:  |
| Email:         |
| Contact hours: |

**١٩. Course Description:**

The goal of this course is to assist students in becoming knowledgeable participants in information systems decisions. Becoming a knowledgeable participant means learning the basic concepts of Information Resources and Knowledge Management in order to feel confident to choose appropriate decisions. Being able to fully understand what the Information Systems Strategy Triangle is and how to evaluate organizational impacts of Information Systems, and how to co-op with rapid IT changing business processes and knowing how to build a suitable IT architecture for any business application, project management and crowdsourcing to mention some.



**٢٠. Course aims and outcomes:**



A- Aims:

Student should be able to identify and analyze organizations’ needs and to take them into consideration when applying any solution.

1. Students should be able to identify organizations’ strategy, IT strategy and the business strategy.
2. Identify for each strategy its key components and related processes.
3. Students are capable of identifying the key organization’s strategy items. 2. Students are capable of analyzing business processes and applying it to different organizations’ needs.
4. Students are capable of identifying the role of IT in organizations and develop a standalone IT strategy connected with the organization strategy.
5. Students are capable of identifying key IT components in different organizations structures.
6. Students are capable of identifying the role of top managers and the correct usage of IT using different telecommuting, tele workers and virtual communities.
7. Students are capable of identifying the best approaches of resources management. 7. Students are familiar with different knowledge management approaches.

B- Students Learning Outcomes (SOs):

1. Students are capable of identifying the key organization’s strategy items Students are capable of analyzing business processes and applying it to different organizations’ needs.
2. Students are capable of identifying the role of IT in organizations and develop a standalone IT strategy connected with the organization strategy.
3. Students are capable of identifying key IT components in different organizations structures.
4. Students are capable of identifying the role of top managers and the correct usage of IT using different telecommuting, tele workers and virtual communities.
5. Students are capable of identifying the best approaches of resources management
6. Students are familiar with different IT Architecture and Business Success
7. Students can identify and analyze main security issues related to organizations’ security
8. Students identify main ethical and legal issues related to organizations’
9. Students identify, analyze the concepts of project management
10. Students identify, analyze the concept of crowdsourcing and related concepts
11. Students discuss and analyze complex problems related to organizations’ structure, strategy, security, culture, planning and control
12. Students’ identify, analyze and discuss in different case studies organizations’ business processes, type of change and quality related issues.

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

| Program SOs        | SO (1)                  | SO (2)                  | SO (3)               | SO (4)                  |
|--------------------|-------------------------|-------------------------|----------------------|-------------------------|
| ILOs of the course |                         |                         |                      |                         |
| 1                  | Students are capable of | Students are capable of | Students are capable | Students are capable of |



|   |   |  |   |   |
|---|---|--|---|---|
|   | identifying the key organization's strategy items<br>Students are capable of analyzing business processes and applying it to different organizations' needs.  | identifying the role of IT in organizations and develop a standalone IT strategy connected with the organization strategy. | of identifying key IT components in different organizations structures. | identifying the role of top managers and the correct usage of IT using different telecommuting, tele workers and virtual communities. |
| 2 |   |  |   |   |
| 3 | Students are capable of identifying the role of top managers and the correct usage of IT using different telecommuting, tele workers and virtual communities. |  |   |   |
| 4 | Students can identify and analyze main security issues related to organizations' security   | Students identify main ethical and legal issues related to organizations'  | Students identify, analyze the concepts of project management           |   |
| 5 | Students are capable of identifying the role of top managers and the correct usage of IT using different telecommuting, tele workers and virtual communities. | Students identify, analyze the concepts of project management  |   |   |
| 6 | Students identify main ethical and legal issues related to organizations'   | Students discuss and analyze complex problems related to   | Students' identify, analyze and discuss in                              |   |



|  |  |   |   |  |  |
|--|--|---|---|--|--|
|  |  | organizations' structure, strategy, security, culture, planning and control | different case studies organization s' business processes, type of change and quality related issues. |  |  |
|--|--|---|---|--|--|

### ٢١. 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     | The Information Systems Strategy Triangle | 1,11,12                   | Face to face  | Classroom<br>Moodle<br>MS<br>Teams | Synchronous                          | Exam and Assignment | Lecture notes, book and external material |
|      | 1.2     | The Information Systems Strategy Triangle | 1,11,12                   | Face to face  | Classroom<br>Moodle<br>MS<br>Teams | Synchronous                          | Exam and Assignment | Lecture notes, book and external material |
|      | 1.3     | The Information Systems                   | 1,11,12                   | Face to face  | Classroom                          | Synchronous                          | Exam and            | Lecture notes, book                       |



|             |                |   |                                  |  |                                 |   |                           |   |
|-------------|----------------|---|----------------------------------|--|---------------------------------|---|---------------------------|---|
|             |                | Strategy Triangle                         |                                  |  | Moodle<br>MS Teams              |   | Assignment                | and external material                     |
| 2           | 2.1            | Strategic Use of the Information Resource | 2, 11,12                         | Face to face   | Classroom<br>Moodle<br>MS Teams | Synchronous                                 | Exam and Assignment       | Lecture notes, book and external material |
|             | 2.2            | Strategic Use of the Information Resource | 2,11,12                          | Face to face   | Classroom<br>Moodle<br>MS Teams | Synchronous                                 | Exam and Assignment       | Lecture notes, book and external material |
|             | 2.3            | Strategic Use of the Information Resource | 2,11,12                          | Face to face   | Classroom<br>Moodle<br>MS Teams | Synchronous                                 | Exam and Assignment       | Lecture notes, book and external material |
| <b>Week</b> | <b>Lecture</b> | <b>Topic</b>                              | <b>Intended Learning Outcome</b> | <b>Learning Methods (Face to Face/Blended/ Fully Online)</b> | <b>Platform</b>                 | <b>Synchronous / Asynchronous Lecturing</b> | <b>Evaluation Methods</b> | <b>Resources</b>                          |
| 3           | 3.1            | <b>Organizational Strategy and IT</b>     | 3,11,12                          | Face to face   | Classroom<br>Moodle<br>MS Teams | Synchronous                                 | Exam and Assignment       | Lecture notes, book and external material |
|             | 3.2            | <b>Organizational Strategy and IT</b>     | 3,11,12                          | Face to face   | Classroom<br>Moodle<br>MS Teams | Synchronous                                 | Exam and Assignment       | Lecture notes, book and external material |
|             | 3.3            | <b>Organizational Strategy and IT</b>     | 3,11,12                          | Face to face   | Classroom<br>Moodle             | Synchronous                                 | Exam and Assignment       | Lecture notes, book and                   |



|   |     |   |         |              |                                    |             |                           |  |
|---|-----|---|---------|--------------|------------------------------------|-------------|---------------------------|--|
|   |     |   |         |              | MS<br>Teams                        |             |                           | external<br>material                                     |
| 4 | 4.1 | <b>Digital Systems and the Design of Work</b> | 4,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
|   | 4.2 | <b>Digital Systems and the Design of Work</b> | 4,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
|   | 4.3 | <b>Digital Systems and the Design of Work</b> | 4,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
| 5 | 5.1 | <b>Digital Systems and the Design of Work</b> | 4,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
|   | 5.2 | <b>IS and Digital Transformation</b>          | 5,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
|   | 5.3 | <b>IS and Digital Transformation</b>          | 5,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
| 6 | 6.1 | <b>IS and Digital</b>                         | 5,11,12 | Face to face | Classroom                          | Synchronous | Exam<br>and               | Lecture<br>notes,<br>book                                |





|   |     |  |         |              |  |                 |                               |  |
|---|-----|--|---------|--------------|--|-----------------|-------------------------------|--|
|   |     | <b>Transform<br/>ation</b>                           |         |              | Moodle<br>MS<br>Teams                  |                 | Assignm<br>ent                | and<br>external<br>material                              |
|   | 6.2 | <b>IS and<br/>Digital<br/>Transform<br/>ation</b>    | 5,11,12 | Face to face | Classroo<br>m<br>Moodle<br>MS<br>Teams | Synchrono<br>us | Exam<br>and<br>Assignm<br>ent | Lecture<br>notes,<br>book<br>and<br>external<br>material |
|   | 6.3 | <b>Architectu<br/>re and<br/>Infrastruct<br/>ure</b> | 6,11,12 | Face to face | Classroo<br>m<br>Moodle<br>MS<br>Teams | Synchrono<br>us | Exam<br>and<br>Assignm<br>ent | Lecture<br>notes,<br>book<br>and<br>external<br>material |
| 7 | 7.1 | <b>Architectu<br/>re and<br/>Infrastruct<br/>ure</b> | 6,11,12 | Face to face | Classroo<br>m<br>Moodle<br>MS<br>Teams | Synchrono<br>us | Exam<br>and<br>Assignm<br>ent | Lecture<br>notes,<br>book<br>and<br>external<br>material |
|   | 7.2 | <b>Architect<br/>ure and<br/>Infrastruct<br/>ure</b> | 6,11,12 | Face to face | Classroo<br>m<br>Moodle<br>MS<br>Teams | Synchrono<br>us | Exam<br>and<br>Assignm<br>ent | Lecture<br>notes,<br>book<br>and<br>external<br>material |
|   | 7.3 | <b>Architect<br/>ure and<br/>Infrastruct<br/>ure</b> | 6,11,12 | Face to face | Classroo<br>m<br>Moodle<br>MS<br>Teams | Synchrono<br>us | Exam<br>and<br>Assignm<br>ent | Lecture<br>notes,<br>book<br>and<br>external<br>material |
| 8 | 8.1 | <b>Architect<br/>ure and<br/>Infrastruct<br/>ure</b> | 6,11,12 | Face to face | Classroo<br>m<br>Moodle<br>MS<br>Teams | Synchrono<br>us | Exam<br>and<br>Assignm<br>ent | Lecture<br>notes,<br>book<br>and<br>external<br>material |



|    |      |  |           |              |                                    |             |                     |   |
|----|------|--|-----------|--------------|------------------------------------|-------------|---------------------|---|
|    | 8.2  | <b>Architecture and Infrastructure</b> | 6,11,12   | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
|    | 8.3  | <b>Security</b>                        | 7,8,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
| 9  | 9.1  | <b>Security</b>                        | 7,8,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
|    | 9.2  | <b>Security</b>                        | 7,8,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
|    | 9.3  | <b>Security</b>                        | 7,8,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
| 10 | 10.1 | <b>Security</b>                        | 7,8,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
|    | 10.2 | <b>Security</b>                        | 7,8,11,12 | Face to face | Classroom<br>Moodle                | Synchronous | Exam and Assignment | Lecture notes, book and                   |



|    |      |                                     |           |              |                                    |             |                           |  |
|----|------|-------------------------------------|-----------|--------------|------------------------------------|-------------|---------------------------|--|
|    |      |                                     |           |              | MS<br>Teams                        |             |                           | external<br>material                                     |
|    | 10.3 | <b>Security</b>                     | 7,8,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
| 11 | 11.1 | <b>Information Systems Sourcing</b> | 10,11,12  | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
|    | 11.2 | <b>Information Systems Sourcing</b> | 10,11,12  | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
|    | 11.3 | <b>Information Systems Sourcing</b> | 10,11,12  | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
| 12 | 12.1 | <b>Information Systems Sourcing</b> | 10,11,12  | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |
|    | 12.2 | <b>Information Systems Sourcing</b> | 10,11,12  | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam<br>and<br>Assignment | Lecture<br>notes,<br>book<br>and<br>external<br>material |



|    |      |                           |         |              |                                    |             |                     |   |
|----|------|---------------------------|---------|--------------|------------------------------------|-------------|---------------------|---|
|    | 12.3 | <b>Project Management</b> | 9,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
| 13 | 13.1 | <b>Project Management</b> | 9,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
|    | 13.2 | <b>Project Management</b> | 9,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
|    | 13.3 | <b>Project Management</b> | 9,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
| 14 | 14.1 | <b>Project Management</b> | 9,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
|    | 14.2 | <b>Project Management</b> | 9,11,12 | Face to face | Classroom<br>Moodle<br>MS<br>Teams | Synchronous | Exam and Assignment | Lecture notes, book and external material |
|    | 14.3 | <b>Project Management</b> | 9,11,12 | Face to face | Classroom<br>Moodle                | Synchronous | Exam and Assignment | Lecture notes, book and                   |



|    |      |          |  |              |                                 |                                 |                     |   |
|----|------|----------|--|--------------|---------------------------------|---------------------------------|---------------------|---|
|    |      |          |  |              | MS Teams                        |                                 |                     | external material                         |
| 15 | 15.1 | Revision |  | Face to face | Classroom<br>Moodle<br>MS Teams | Synchronous                     | Exam and Assignment | Lecture notes, book and external material |
|    | 15.2 | Revision |  | Face to face | Classroom<br>Moodle<br>MS Teams | Synchronous                     | Exam and Assignment | Lecture notes, book and external material |
|    | 15.3 | Revision |  |              | Face to face                    | Classroom<br>Moodle<br>MS Teams | Synchronous         | Exam and Assignment                       |

Lecture notes, book and external material

## ٢٢. 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 Exam            | 30   | 1,2,3,4,5 | 1-5,11,12 | Week 8        | Classroom                   |
| Project and assignments | 20   | 1-11      | 1-12      | Week 14,15    | Classroom, Moodle, MS Teams |
| Final Exam              | 50   | 6,7,10,11 | 6-12      | Week 16       | Classroom                   |
|                         |      |           |           |               |                             |
|                         |      |           |           |               |                             |
|                         |      |           |           |               |                             |



### ٢٣. Course Requirements

**Students should have a computer and internet connection.**

### ٢٤. Course Policies:

A- Attendance policies: you are allowed 15% of the course time absences, more than that you will be suspended from the course.

B- Absences from exams and handing in assignments on time: Make up exam will be held for students with valid reason.

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

E- Grading policy + Weighting (i.e. weight assigned to exams as well as other student work)

F- Available university services that support achievement in the course:

G- Statement on Students with disabilities

**Students with Disabilities:** Students with disabilities who need special accommodations for this class are encouraged to meet with the instructor and/or their academic advisor as soon as possible. In order to receive accommodations for academic work in this course, students must inform the course instructor and/or their academic advisor

### ٢٥. References:

A- Required book(s), assigned reading and audio-visuals:

**Management using Information Systems: A Strategic Approach, Seventh edition By Keri Pearlson and Carol Saunders, Wiley; 2018**

B- Recommended books, materials, and media:

### ٢٦. Additional information:



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|---|
| Name of Course Coordinator Dr. Dana Al Qudah Signature: DANA AL QUDAH Date: October 2022        |
| Head of Curriculum Committee/Department: Prof. Rizik Al Sayyed Signature: Prof. Rizik Al Sayyed |
| Head of Department: Prof. Rizik Al Sayyed -- Signature: Prof. Rizik Al Sayyed                   |
| Head of Curriculum Committee/Faculty: Prof. Saleh Al Shrae'a Signature: Prof. Saleh Al Shrae'a  |
| Dean: Prof. Saleh Al Shrae'a Signature: Prof. Saleh Al Shrae'a                                  |