School of Educational Sciences
Department of Curriculum and Instruction
The University of Jordan
CI (٠٨٠٢٩٤٤): Electronic Learning (e-Learning) and Its Applications

Credit Hours: ٣ Hrs
Prerequisite: CI (٠٨٠٢٧٨٠)
Semester: Fall ٢٠١٧/٢٠١٨
Class: Section ١
Class Location: School of Educational Sciences – Lab-٠٠١
Class Meeting Time: Tuesday ٤:٠٠-٧:٠٠ PM

Instructor: Dr. Muhannad Al-Shboul
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Office Telephone: (٠٦) ٥٣٥٥٠٠٠/Ext. ٢٤٥٧٧
Office Hours: Sunday & Tuesday ٧:٠٠-٧:٣٠pm
Email: malshboul@ju.edu.jo
Course Website: https://elearning.ju.edu.jo/
Lecturer Website: http://eacademic.ju.edu.jo/malshboul/

Course Description:
An overview of e-Learning concepts and techniques, learning methodologies, the process of understanding, information and instruction, justifying e-Learning to top management, e-Learning strategies, building and managing an e-Learning infrastructure, content development, content delivery, tools needed to build an e-Learning course, integrating e-Learning and classroom learning, e-Learning and distance learning, applications & case studies, and future trends.

Course Objectives:
This course aims to:
١. Provide a fundamental introduction to the concept of e-Learning.
٢. Discuss the e-Learning evolution.
٣. Introduce instructional design models for e-Learning.
٤. Present instructional strategies for integrating e-Learning into educational settings.
٥. Highlight the importance of implementing online learning in higher education institutions and in business corporations.
٦. Study the process of project management for virtual teams.
٧. Learn how to deliver the e-Learning.
٨. Demonstrate the e-Learning leading authoring tools.

Learning Outcomes:
Upon completion of this course, the student will be able to:
١. Identify what is e-Learning.
٢. Recognize the advantages and disadvantages of e-Learning.
٣. Apply the appropriate methods and tools of delivering e-Learning for corporate and educational purposes.
٤. Use the suitable tools to deliver the e-Learning instructions.
٥. Understand the concept of e-Learner.
٦. Compare between different e-Learning tools.
٧. Design and implement a simple Web-based project using various e-Learning authoring tools.
٨. Identify the future trends of integrating e-Learning and distance learning into the classroom learning and corporate training.

Teaching Methods:
This course will be based on the following teaching and learning methods and activities:
١. Lectures covering the theoretical part using PowerPoint presentations.
٢. Class discussion and case studies from online resources.
٣. Tutorials, hands-on activities and projects as well as research assignments.
٤. Using the Internet to find up to date information related to the course.

Evaluation Plan (Grading):
Students will be evaluated in this course using a combination of assessment methods, including:
- Presentation Assignment   ١٠٪
- Term Paper Assignment   ١٠٪
- E-Learning Project   ١٠%
- Midterm Exam   ٣٠٪
- Final Exam   ٤٠٪

Teaching Resources:
  Required Textbook
- Institute for Interactive Technologies (٢٠٠٦). *E-Learning Concepts and Techniques*. Bloomsburg, PA: Bloomsburg University of Pennsylvania.

  An electronic (or digital) version of this book is available online in PDF (Adobe Acrobat) format. Students may directly download this e-book for free by using the following link:
  https://pdfs.semanticscholar.org/٤ccf/٠٢a٨٧d٦٠٤٤fd١٨١f١efcc٠e٢f٨١٩ef٨٢٦٤٨٦.pdf

  Suggested Textbook
- Epignosis (٢٠١٤). *E-Learning: Concepts, Trends, Applications*. San Francisco, CA: Epignosis LLC Publication.

  An electronic (or digital) version of this book is available online in PDF (Adobe Acrobat) format. Students may directly download this e-book for free by using the following link:
  https://www.talentlms.com/elearning/elearning-١٠١-jan٢٠١٤-v١,١.pdf

Electronic Material
Course Syllabus, PowerPoint Slides, Assignments, Projects, Case Studies, Examples, Tutorials, Announcements, and Lecture Notes are placed on the course Website.

Recommended References and Useful Links
- E-Learn magazine: ACM's online e-Learning magazine offers articles, tutorials, and links on e-Learning. Available online at: http://elearnmag.org/index.cfm
- Macromedia eLearning: Macromedia's official e-Learning web site contains on-line training articles, tutorials, news, showcases. Available online at: http://www.adobe.com/resources/elearning/
- Apple Learning Interchange: Apple's online educational environment designed to support professional educators to improve the quality of teaching and learning. Available online at: http://edcommunity.apple.com/ali/
- Microsoft in K-١٢ Education: Provides curriculum materials, professional development tools, and communities of practice and expertise related to technology. Available online at: http://www.microsoft.com/education/default.mspx
- Milken Exchange on Educational Technology: A foundation specializes in educational technology; offers many technology related articles. Available online at: http://www.mff.org/edtech/
- EduCause: A nonprofit association whose mission is to advance higher education by promoting the intelligent use of information technology. Available online at: http://www.educause.edu
- Web-Based Learning Resources Library: Provides tools, topics and issues of interest to those developing for web-based learning initiatives. Available online at: http://www.knowledgeability.biz/weblearning/
- Moodle: Is a course management system (CMS) - a free, Open Source software package designed using sound pedagogical principles, to help educators create effective online learning communities. Available online at: http://moodle.org/
- Multimedia Educational Resource for Learning and Online Teaching: Contains links to a number of peer-reviewed online learning courses, organized by discipline. Available online at: http://www.merlot.org/merlot/index.htm

Course Philosophy:
The educational philosophy of this course places the learner at the center of the learning experience. The instructor may serve as guide, facilitator, coach, or "co-learner" (learning with and/or from students) while working toward the educational objectives within the framework of the learner's personal learning goals for the course. A variety of instructional methods, such as: guided lab activities, demonstrations, lecture/presentation, collaborative groupwork, and discussion, will be implemented throughout the course. The instructor maintains an open door policy. Feel free to share concerns, problems, or suggestions related to the course.

Important Course Policies:
- Attendance and Absenteeism: Attendance is mandatory and will be taken frequently at the beginning of each class. According to the University regulations on absence, you are not allowed to be absent more than ١٥٪ of the total lectures for the semester. Therefore, regular class attendance is expected; however, since the class takes place on Tuesdays, you are allowed to

miss up to ٣ lectures during the semester. Exceeding that student's name will be listed in the deprivation list.

- Tardiness affect our classroom environment. Therefore, please do not be late and attend your lecture on time. With this in mind, you will not be allowed to enter the lecture room once the lecture has started.

- Absences from exams and handing in assignments on time: Mid-term and finals can be made up with an official excuse. Quizzes can **never** be made up no matter how justified your absence was. Assignments are assigned with due dates given in class. Late homework will NOT be accepted.

- Honesty policy regarding cheating, plagiarism, misbehavior: Plagiarism and other forms of cheating (like copying from your classmate) won't be tolerated. All of your written assignments must be in your own language and words. Do not copy from a newspaper, an Internet resource, a book or a magazine. If you use information from some other sources, it must be credited to the original.

- Participation in class is essential. It includes preparation of class materials, readings, and homework as well as active involvement in classroom discussions. You are expected to participate actively. Regular attendance is essential as well.

- Grading policy: The total grade of the semester works will be announced to the students on time and before the date of the final exam.

Course Plan and Class Schedule (September ١٧ - December ٢٧, ٢٠١٧):

Week ١ (١٩/٩/٢٠١٧):
- Introductions
- Course Syllabus Overview

Week ٢ (٢٦/٩/٢٠١٧):
- An Introduction to e-Learning & E-Learning Tools: Virtual tour (Blackboard, Moodle, WebBoard, LiveText, UJ e-Learning).
- An Introduction to Course/Learning Management Systems

Week ٣ (٣/١٠/٢٠١٧):
- An Introduction to Distance Learning
- An Introduction to Blackboard
- E-Learning Applications (The Virtual University) & Future Trends in E-Learning

Week ٤ (١٠/١٠/٢٠١٧):
Chapter ١: What is E-Learning?
- ١٫١ Introduction
- ١٫٢ The E-Learning Evolution
- ١٫٣ Advantages and Disadvantages of E-Learning
- ١٫٤ E-Learning and the Corporate World

- ١,٥ E-Learning in the Pre-K-١٢ Market
- ١,٦ E-Learning and E-Training: Computer-Based Training (CBT)

Week ٥ (١٧/١٠/٢٠١٧):
Chapter ٢: Instructional Design Models for E-Learning
- ٢,١ Instructional Design Models for E-Learning
- ٢,٢ Applying User-Centered Design to E-Learning
- ٢,٣ Rapid E-Learning – Accomplishing *more with less*
- Class Discussion: A Case Study

Week ٦ (٢٤/١٠/٢٠١٧):
Chapter ٣: E-learner
- ٣,١ E-Learners
- ٣,٢ Success in E-Learning
- ٣,٣ Social Networking - A Growing Phenomenon
- Class Discussion: A Case Study

Week ٧ (٣١/١٠/٢٠١٧):
Chapter ٤: E-Learning Tools
- ٤,١ E-Learning Tools
- ٤,٢ What is an e-Learning tool?
- ٤,٣ Wikis (Web Database Technology) and E-Learning
- Class Discussion: A Case Study
- **First Exam ١٥%** (chapters ١,٢,٣,٤)

Week ٨ (٧/١١/٢٠١٧):
Chapter ٥: Instructional Strategies for E-Learning
- ٥,١ Instructional Strategies for Online Learning
- ٥,٢ Mentorship in Self-Directed E-Learning
- ٥,٣ E-Learning and Cognitive Disabilities
- Class Discussion: A Case Study

Chapter ٦: Information Ownership (Tentative/not required)

Week ٩ (١٤/١١/٢٠١٧):
Chapter ٧: E-Learning Development
- ٧,١ - Leading Authoring Tools
- ٧,٢ - Understanding Authoring Tools
- ٧,٣ - Hearing Your Web Pages
- ٧,٤ - Making PDFs Accessible to Assistive Technology
- ٧,٥ - Importance of Web Development Standards within an Organization
- ٧,٦ - The Role of Technical Writing in E-Learning
- ٧,٧ Globalization and Learning Barriers in Synchronous E-Learning Tools
- ٧,٨ Where have the text-based menus gone?

Week ١٠ (٢١/١١/٢٠١٧):
Chapter ٨: Delivering E-Learning
- ٨,١ Delivering E-Learning
- ٨,٢ Instructional Game Characteristics
- ٨,٣ Educational Podcasting
- ٨,٤ Gaming at Work: Taking the Boredom Out of Training
- ٨,٥ Delivering E-Learning Synchronously
- **Second Exam ١٥%** (chapters ٥،٧،٨)

Week ١١ (٢٨/١١/٢٠١٧):
Chapter ٩: E-Learning Evaluation
- ٩,١ Introduction to Evaluating E-Learning
- ٩,٢ Kirkpatrick's Four Levels of Evaluating Learning
- ٩,٣ Learning Analytics
- ٩,٤ Balanced Scorecards
- ٩,٥ Evaluation Models

Week ١٢ (٥/١٢/٢٠١٧):
Chapter ١٠: Managing the Data
- ١٠,١ Project Management for Virtual Teams
- ١٠,٢ The *Key* to Managing all the Data
- ١٠,٣ Virtual Leadership in the ٢١st Century
- ١٠,٤ Virtual Workplaces and Tools

Chapter ١١: Web Standards (Tentative/not required)

Week ١٣ (١٢/١٢/٢٠١٧):
- Future Trends in E-Learning
- Case Studies in E-Learning
- **Students' Research Papers Presentations ١٠٪**

Week ١٤ (١٩/١٢/٢٠١٧):
- **Students' Research Papers Presentations ١٠٪**
- **Students' Projects Presentations ١٠٪**

Week ١٥ (٢٦/١٢/٢٠١٧):
- **Students' Projects Presentations ١٠٪**
- Final Exam Review
- **Final Exam ٤٠٪** (chapters ٩،١٠)
- The last lecture in the semester will be on ٢٧/١٢/٢٠١٧ (Wednesday), according to the official calendar of the university.
- Finals Week (٢/١/٢٠١٨ -١٠/١/٢٠١٨).

The End