



SESSION PLAN

*Lecture

(* DELETE AS APPROPRIATE)

COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 1	Title: Introduction to design phase	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Introduction to Software Engineering
2	Introduction to CASE tools
3	Introduction to UML
4	Understanding the Object Paradigm
5	Advantages of Object Oriented Analysis and Design
6	Introduction to IS Design
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Prepared by :

Name: Mrs. Asser Hassan

Sign:

Date: 1/7/2010

Approved by :

Name: Dr. Walid Abd El Moez

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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 2	Title: Selecting the best alternative design strategy	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Selecting the best alternative design strategy
2	The process of selecting the best alternative design strategy.
3	Deliverables and outcomes.
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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 3	Title: Generating alternative design strategy	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Generating alternative design strategy.
2	Issues to consider in generating alternatives.
3	Outsourcing
4	Sources of software
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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

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# 4	Title: Physical database design	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Physical database design.
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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 5	Title: Review of the Structure Query Language (SQL)	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Designing fields.
2	Choosing data types.
3	Controlling data integrity.
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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 6	Title: Designing physical Tables and Denormalization	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	File organization.
2	Design of object-relational features
3	Physical DB design.
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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 7	Title: Mid Term Exam.	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Mid term exam
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COURSE PARTICULARS

# AE - S316	Title: Information system Design
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SESSION PARTICULARS

# 8	Title: Design elements	Hrs: 2
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LEARNING OUTCOMES / ABILITIES GAINED*

#	Outcome Description
1	Design elements.
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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 9	Title: Design architecture.	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Design architecture
2	Mapping from analysis classes to design elements
3	Components
4	Component standards
5	frameworks
6	packages
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COURSE PARTICULARS

# AE - S316	Title: Information system Design
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SESSION PARTICULARS

# 10	Title: Designing forms and reports	Hrs: 2
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LEARNING OUTCOMES / ABILITIES GAINED*

#	Outcome Description
1	Designing forms and reports
2	The process of designing forms and reports
3	Formatting forms and reports
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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 11	Title: Designing interfaces	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Designing interfaces and dialogues
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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 12	Title: System implementation and operation	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	System implementation and operation
2	Process of program coding
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# AE - S316	Title: Information system Design
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SESSION PARTICULARS

# 13	Title: System implementation and operation (Conti)	Hrs: 2
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LEARNING OUTCOMES / ABILITIES GAINED*

#	Outcome Description
1	Installation coding
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# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 14	Title: Software application testing	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Types of tests
2	Testing process
3	Documenting the system
4	Training and support
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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 15	Title: Why implementation sometimes fails.	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Project closedown
2	Conducting system maintenance
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COURSE PARTICULARS	
# AE - S316	Title: Information system Design

SESSION PARTICULARS		
# 16	Title: Final Exam.	Hrs: 2

LEARNING OUTCOMES / ABILITIES GAINED*	
#	Outcome Description
1	Final Exam
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Source Material:

Joey F. George [et al.], 2004, *Object- oriented Systems Analysis and Design*, Pearson Education, Inc., Upper Saddle River, New Jersey.

Supplementary Material : Projector, white board.

1. Data show and white board.
2. Power point presentations.

Educational Resources : Handouts, presentations, assignments.

1. Notes are submitted every lecture (mis.aast.edu/courses).
2. Written Assignments.

Tutorial / laboratory / Workshop (Delete as required)

Defined in the Lab Session Summary

