



KINGDOM OF SAUDI ARABIA
 IMAM MOHAMMAD IBN SAUD ISLAMIC UNIVERSITY
 COLLEGE OF COMPUTER AND INFORMATION SCIENCES
 INFORMATION SYSTEMS DEPARTMENT
 BACHELOR OF INFORMATION SYSTEMS



المملكة العربية السعودية
 جامعة الإمام محمد بن سعود الإسلامية
 كلية علوم الحاسب والمعلومات
 قسم نظم المعلومات
 بكالوريوس نظم المعلومات

SYLLABUS

IS 230: Business Requirement Analysis

PREREQUISITE	IS 201	CREDIT HOURS	3
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Instructor:	
Contact information and office hours	
Office No:	2088
Office Hours:	Monday & Wednesday (12:30-14:10)
E-mail:	aaalsahli@imamu.edu.sa

COURSE DESCRIPTION
<p><i>This course will provide the foundation for understanding the roles and responsibilities of the business analyst in enabling and identifying the business requirements and enterprise by defining needs and recommending solutions. The course covers the following topics: the essentials of business requirements, the role of business analyst, establishing the requirements, requirements processes, requirements elicitation and investigation, requirements gathering techniques, documenting and modeling business requirements, validating the requirements and how to management them.</i></p>

COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	Knowledge and Understanding	
1.1	<i>Describe the fundamental systems development life cycle.</i>	1 (I)
1.2	<i>Describe the significance of requirements processes.</i>	1 (I)
1.3	<i>Describe methods for requirement elicitation and investigation.</i>	1 (I)
2	Skills :	
2.1	<i>Evaluate requirements gathering techniques.</i>	2 (I)
2.2	<i>Document and model businesses requirements.</i>	2 (I)
2.3	<i>Managing and validating the businesses requirements using different techniques.</i>	2 (I)
3	Values:	
3.1	<i>Function effectively on teams to accomplish a common goal.</i>	5 (A)
3.2	<i>Present a topic in a compelling manner.</i>	3 (P)



TEACHING Strategies

Lectures,
Tutorials
Self Learning

List of Topics to be Covered

Chapter	Contact hours
The essentials of business requirements	3
Business analyst	3
Establish the business requirements	6
Requirements Processes	3
Requirements elicitation and investigation (Self Learning)	3+3
Documenting the requirements	3
Modeling business requirements	6
Validating the requirements (Self Learning)	3
Requirements Management (Self Learning)	3+3
Project development and discussions	3
<i>Total</i>	<i>36+6</i>

TEXT BOOK

Karl Wieggers and Joy Beatty: Software Requirements (3rd Edition) (Developer Best Practices), Microsoft Press, 2013.

Dick, Jeremy, Hull, Elizabeth, Jackson, Ken. Requirements Engineering, Springer, 2017.

REFERENCES

Koelsch, George. Requirements Writing for System Engineering, 2016

Axel van Lamsweerde: Requirements Engineering, from System Goals to UML Models to Software Specifications. John Wiley, 2007.

Course Assessment Methods

No	Assessment Method	Due Week	% Total Assessment
1	Quiz	4	10
2	Midterm	7	20
3	Assignment	9	10
4	Group Project	12	20
5	Final Exam	13	40