SYLLABUS

Date/ Revision	April 10, 2017
Faculty	Business and Social Sciences
Approval	Dr. Samuel Prasetya

SUBJECT : BUSINESS PROCESS RE-ENGINEERING

1. Identification of Subject:

Name of Subject : Business Process Re-Engineering
Code of Subject : BPRE-3000
SKS / ECTS : 3 SKS
Semester : 3/4/5/6
Study Program : B-AVM/IBA/MGT
Lecturer : Dr. Samuel Prasetya, Dr. Satiri & Dr. Firdaus Basbeth

2. Competency

After having the course, students are expected to:

a) understand The Evolution of BPR
b) understand the BPR TQM and IT
c) understand the BPR Methodologies
d) understand the Research Methodology
e) have the ability to analyze A Practical Application of the BPR Framework
f) understand the Description of Results
g) understand the Critical Success Factors

3. Description of Subject:

This course deals with different concepts, approaches and applications for business process re-engineering. It illustrates how to take giant strides to attain market dominance in a dynamic business world. The course shows how automation of re-engineered processes can increase competitive advantage for a firm. Using several case studies, the course also shows how different companies have streamlined their processes, reduced their cost of operations, have created cross functional process excellence to increase value proposition to all stakeholders.

4. Learning Approach

Approach : Combination of expository - inquiry and collaborative
Method : Discussions, questions/answers, sample problems/cases
Student Task : Quizzes and group projects
Media : LCD projector

5. Evaluation

a) Non-attendance maximum : 25%
b) Homework/Projects : 20 points
c) Presentation, Simulation : 10 points

d) Quiz   : 10 points
e) Final Examination   : 60 points
                  Total   : 100 points

6. Contents/Topics of Lecturing:

Week	Content / Topics of Lecturing	Text Book Chapter	Remark
1	The Evolution of BPR • BPR Strategies • BPR • Success and Failures • Factors Relating to BPR Success • Factors relating to change management systems and culture • Committed and strong leadership • Factors relating to organizational structure • Factors related to BPR program management • Factors related to IT infrastructure • Factors Relating to BPR Failure • Problems in communication and organizational resistance • Lack of organizational readiness for change • Problems related to creating a culture for change • Lack of training and education: • Factors related to management support • Ineffective BPR teams	Chapter 1	
2	The Evolution of BPR • Factors related to organizational structure • Problems related to goals and measures • Inadequate focus and objectives • Ineffective process redesign • Problems related to BPR resources • Unrealistic expectations • Ineffective use of consultants • Miscellaneous problems • Factors related to IT infrastructure • Improper IT integration • Inadequate IT development • Ineffective Reengineering of legacy IT • Factors related to BPR program management	Chapter 1	
3	BPR TQM and IT • Information Technology • Information Technology and the Value Chain • IT Value and business alignment	Chapter 2	

Week	Content / Topics of Lecturing	Text Book Chapter	Remark
	• IT infrastructure • IT Network Infrastructure		
4	BPR TQM and IT • The Key Elements of BPR • Develop a Vision • Establish a Responsible Team • Prepare the Organization for Change • Redesign the Business Process • Case Studies	Chapter 2	Quiz 1 Draft 1
5	BPR Methodologies • The Advantages of a BPR Methodology • First • Phase • Second Phase • Third Phase • Fourth Phase • Fifth Phase	Chapter 3	
6	BPR Methodologies • Extended Framework • An Integrated Methodology • IDEFØ • Identification of a Gap in the Literature	Chapter 3	
7	Review	Chapter 1-3	Quiz 2 Draft 2
8	**Semester Break: Only Make-Up Classes**		
9	Research Methodology • Question A1: Actual and Expected Benefits • Question A2: Levels of Improvement • Question A3: Tools and Techniques • Survey: O'Neill and Sohal (1998) • Question B1: Events as Triggers to BPR • Question B2: Goals and Objectives • Question B3: The Effectiveness of Consultants • Question B4: Contribution of IT	Chapter 4	
10	Research Methodology • Survey: Maria Vakola and Yacine Rezgui (2000) • Survey: Tenant and Wu (2005) • Question D1: Triggers for Initiating BPR • Question D2: Goals and Objectives • Question D3: Expectation of Change • Question D4: Benefits Derived from BPR • Question D5: People Issues	Chapter 4	

Week	Content / Topics of Lecturing	Text Book Chapter	Remark
	• Question D6: The Role of IT • Question D7: Implementation Time Frame • Implementation Difficulties		
11	A Practical Application of the BPR Framework • The Situational Context for the Case Study • Resource Constraints and Limitations • BPR Essential Elements • Stage 1: Planning for Reengineering • Stage 2: Analyze the "AS-IS" Process	Chapter 5	
12	A Practical Application of the BPR Framework • Stage 3: Design the HRA "TO-BE" Process • Hazard Rating Number • Stage 4: Implementation of the Reengineered Process • Stage 5: Improve Continuously	Chapter 5	Quiz 3 Draft 3
13	Description of Results • H.R.A Reports • Serious Accident Reduction • Practical Examples of the application of the Framework • Contractor Control	Chapter 6	
14	Critical Success Factors • Critical Success Factors	Chapter 7	
15	Conclusions and Recommendations • Scope for Improvement • Accident Reporting • Metrics	Chapter 8	Quiz 4 Draft 4
16	**Semester Break: Only Make-Up Classes**		
17	**Final Examination**	All Chapters (1-8)	

7. Book Reference:

a) Main Textbook

Graham R. Sturdy, Business Process Reengineering: Strategies for Occupational Health and Safety, 1st Edition, Cambridge Scholars Publishing

b) Supplement Articles

Various online journal articles