Universitas Islam Indonesia

Faculty of Economics

INTERNATIONAL PROGRAM

Syllabus
Analysis and System Design

Subject	: Analysis and System Design
Credits	: 3

Description

Analysis and System Design is a course that focus in discussing about theory/concept and method/approach of development of computer based accounting information system. Through this course student will be trained to analyze and design the computer based accounting information system in a company. Material in this course is basically matriculation theory and development method of information system which has been taught in Accounting Information System II which followed by giving the real learning experience about accounting information system in a company.

Learning Outcomes

a. Knowledge and understanding about theory development of computer based accounting information system.
b. Knowledge and understanding about various methods which can be used in development of computer based accounting information system.
c. Abilty to analyze accounting information system through Systems Development Live Cycle method (*SDLC*).
d. Ability to design computer based accounting information system through Systems Development Live Cycle method (*SDLC*).

Topic

1. Syllabus explanation and Learning method as well as analysis practice assignment and Accounting Information System (SIA) design to student.
2. Theory explanation and concept development and technique documentation of Accounting Information System (SIA).
3. Explanation of various methods/approaches in the development of Accounting Information System (SIA).
4. SDLC method/approach explanation (details in analysis and system design).
5. Explanation on data base modelling method with REA approach (*Resources, Events, and Agents*)
6. Supervision and evaluation on the investigation result and SIA survery as well as proper test on development of new SIA.

7. Supervision and evaluation of the result of information needs determination and requirement of the new information system
8. Supervision and evaluation on the result of documentation of the new accounting information system (*SOP*)
9. Supervision and evaluation of information output design which is produced by the new accounting information system
10. Supervision and evaluation of data processing integration.
11. Supervision and evaluation of data base design which is used in the new accounting information system
12. Supervision and evaluation of data input design for the new accounting information system
13. Supervision and design evaluation stages and schedule implementation plan for the new accounting information
14. Theory/concept review, method/approach and analysis assignment and SIA design

References

1. *Piccoli*
2. *Romney & Steinbart. 2015. Accounting Information System. Pearson.*
3. *Rob and Coronel*
4. *Wilkinson, Cerullo, Raval, & Wong. 2000. Accounting Information System. John Willey and Sons. Inc*