Transcripted Emphasis: Information Systems for QAMO

Learning Outcomes

1. Applications of Information Systems. Students should master the tools needed to apply information systems to business decisions.

2. Software tools. Students should have experience with software tools such as collaboration software, business intelligence, networks, e-commerce, security, and process management software.

3. Database management. Students should master principles of database management and queries using SQL.

4. Data mining. Students should be able to perform basic data-mining tasks using big-data techniques.

Outcomes Assessment Evidence

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| OUTCOME | Evidence |
| 1. Applications of Information Systems | Final exam from IS 4410/1, plus final projects from elective courses such as 4415, 4430, etc. |
| 2. Software tools | Final projects from elective classes: IS 4415, 4430, etc. |
| 3. Database management | Final exam and project from IS 4420 |
| 4. Data mining | Final exam and project from IS 4482 |

Outcomes Assessment Rubric

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| OUTCOME | Unacceptable | Satisfactory | Superior |
| 1. Applications of Information Systems | Unable to explain satisfactorily how information systems can be used to drive business process and profit improvement. | Able to connect key principles of information systems to business process and profit improvement. | Able to connect key principles of information systems to business process and profit improvement, and implement creative solutions to business problems. |
| 2. Software tools | Unable to demonstrate a satisfactory knowledge of key software tools of information systems. | Able to perform basic tasks using software tools for collaboration software, networks, e-commerce, security, and process management. | Able to perform basic tasks using IS software tools, and apply to creatively solve business problems. |
| 3. Database management | Unable to construct databases and perform SQL queries to extract information. | Able to construct databases and perform SQL queries to extract information. | Able to construct databases and perform SQL queries to extract information, and apply results to solve specific business problems. |
| 4. Data mining | Unable to perform data mining tasks using big-data techniques. | Able to perform data mining tasks using big-data techniques. | Able to perform data mining tasks using big-data techniques, and apply results of analysis to solve specific business problems. |