COURSE NAME:	JAVA ENTERPRISE PROGRAMMING
COURSE CODE:	ISCG 7425
LEVEL:	7
NUMBER OF CREDITS:	15
AIM OF COURSE:	To critically review the concepts of enterprise component based programming with the Java programming language. The course will comprehensively examine a range of enterprise technologies and frameworks such as Hibernate, Spring, Struts and Java beans. The subject will also cover RMI and socket programming, and the development of a graphical user interface using the Java Swing library.
PRE-REQUISITES:	ISCG6423 Database Design and Development or equivalent.
	ISCG6421 GUI Programming or equivalent.
CO-REQUISITES:	None
STUDENT CAPABILITIES:	Problem solving, creativity, software development, critical thinking, reflection, analysis, application of knowledge

COURSE DELIVERY:

Contact Hours	Syndicate Hours	Self-directed Learning Hours	Total Learning Hours
32	18	100	150

LEARNING OUTCOMES:

By the end of this course, students will be able to:

1. Design and develop Java software using a variety of component based frameworks
2. Ability to select an appropriate framework for a specific software development problem
3. Debug frameworks such as Hibernate and Spring
4. Critique and analyse the architectural software stack of systems that use these enterprise frameworks

TOPICS/CONTENT OUTCOMES:

- Java Language and Syntax Review
- J2EE
- Hibernate and Object Relational Mappings

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