Course Outline

Federation UNIVERSITY • AUSTRALIA

Title:	MAINFRAME APPLICATION SERVER
Code:	ITECH3230
Faculty / Portfolio:	Faculty of Science and Technology
Level:	Advanced
Pre-requisites:	(ITECH2114 and ITECH2116)
Co-requisites:	Nil
Exclusions:	Nil
Credit Points:	15
ASCED Code:	020113

Objectives:

After successfully completing this course, students should be able to:

Knowledge:

K1. understand a mainframe application server environment,
K2. understand how Java programs are used in a mainframe application server environment,
K3. understand the use of Enterprise Java beans within a mainframe enterprise server environment.

Skills:

S1. install and configure WAS for for a mainframe application server environmnet,
S2. deploy Java applications on a mainframe application server,
S3. use Java to access IMS and DB2 data on the mainframe.

Values:

V1. To appreciate Mainframe Application Server install and Java related aspects.

Content:

This course describes a Mainframe Application Server environment and shows how it enables Java programs to be used within a mainframe operating system. The course covers the use of Java on a mainframe operating system, Enterprise Java beans, installing,configuring and managing WAS for for a mainframe operating system. The course further covers deploying of Java applications on a mainframe operating system and using Java to access IMS and DB2 data on the mainframe.

Assessment:

Assessment Task	Assessment Type	Weighting

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Attend labs, read and summarise theoretical aspects of the course, establish strong familiarity with practical application of material covered.	Exercises and/or Assignments	30 - 50%
Lecture attendance, reading of reference material and lecture notes	Supervised Test(s) and Examination(s)	50 - 70%

Adopted Reference Style:

APA

Presentation of Academic Work: