



## Course specification

<b>Description: Java Programming</b>						
Subject	Cat-nbr	Class	Term	Mode	Units	Campus
CIS	3001	45197	2, 2005	ONC	1.00	Toowoomba

<b>Academic group:</b>	FOBUS
<b>Academic org:</b>	FOB005
<b>Student contribution band:</b>	2
<b>ASCED code:</b>	020103

### STAFFING

Examiner: Bob Wicks

Moderator: Srecko Howard

### REQUISITES

Pre-requisite: CIS1001 or CSC1401

### SYNOPSIS

This course introduces the student to the fundamentals of object-oriented programming using the Java programming language. It lays a solid foundation for the development of practical business solutions in an object-oriented environment.

### OBJECTIVES

On successful completion of this course students will be able to demonstrate:

1. an understanding of the principles of object oriented programming and how to apply them when programming Java;
2. a sound working-knowledge of the syntax and semantics of the Java language;
3. the ability to develop object oriented programming applications that make use of the extensive Java libraries;
4. the ability to write clearly, logically, and concisely at a high level of proficiency. These skills are required both in assignment work and in the final examination

### TOPICS

Description	Weighting (%)
1. Object oriented principles - introduction to object-oriented concepts such as inheritance encapsulation, polymorphism, messages passing, abstraction, etc.	15.00
2. Basic Java language constructs - data types, control constructs, arrays, I/O handling, exception handling, classes and objects	50.00

3.	GUI Programming - components and containers, events and event handling, interfaces	15.00
4.	Applet and HTML Programming	10.00
5.	Exception Handling & Multithreading	10.00

### **TEXT and MATERIALS required to be PURCHASED or ACCESSED**

ALL textbooks and materials are available for purchase from USQ BOOKSHOP (unless otherwise stated). Orders may be placed via secure internet, free fax 1800642453, phone 07 46312742 (within Australia), or mail. Overseas students should fax +61 7 46311743, or phone +61 7 46312742. For costs, further details, and internet ordering, use the 'Textbook Search' facility at <http://bookshop.usq.edu.au> click 'Semester', then enter your 'Course Code' (no spaces).

CIS3001 study package available from the USQ Bookshop.

Savitch, W 2004, *Absolute Java*, Pearson/Addison Wesley, Boston, Massachusetts.  
(international edition)

### **REFERENCE MATERIALS**

Reference materials are materials that, if accessed by students, may improve their knowledge and understanding of the material in the course and enrich their learning experience.

Borland, J Builder 6 Software (optional).

Deitel, HM & Deitel, PJ 2002, *Java: how to program*, 4th edn, Prentice-Hall, Upper Saddle River, New Jersey.

Farrell, J 2003, *Java programming*, 2nd edn, Thomson Course Technology, Australia.

Horstmann, C 2000, *Computing concepts with JAVA 2 essentials*, 2nd edn, John Wiley & Sons, New York.

Horton, I 2000, *Beginning Java 2 JDK 1.3 version*, Wrox Press, Birmingham, England.

### **STUDENT WORKLOAD REQUIREMENTS**

ACTIVITY	HOURS
Assessment	40.00
Laboratory or Practical Classes	14.00
Lectures	28.00
Private Study	70.00
Tutorials	14.00

## ASSESSMENT DETAILS

Description	Marks out of	Wtg(%)	Due date
ASSIGNMENT 1	100.00	10.00	07 Oct 2005
ASSIGNMENT 2	100.00	15.00	24 Oct 2005
3 HOUR EXAMINATION	180.00	75.00	END S2 (see note 1)

### NOTES

1. The examination is scheduled to be held in the end-of-semester examination period. Students will be advised of the official examination date after the timetable has been finalised.

## IMPORTANT ASSESSMENT INFORMATION

- 1 Attendance requirements:  
It is the students' responsibility to attend and participate appropriately in all activities (such as lectures, tutorials, laboratories and practical work) scheduled for them, and to study all material provided to them or required to be accessed by them to maximise their chance of meeting the objectives of the course and to be informed of course-related activities and administration.
- 2 Requirements for students to complete each assessment item satisfactorily:  
To complete the assignments satisfactorily, students must obtain at least 50% of the marks available for the assignments in aggregate. To complete the examination satisfactorily, students must obtain at least 50% of the marks available for the examination.
- 3 Penalties for late submission of required work:  
If students submit assignments after the due date without prior approval then a penalty of 20% of the total marks gained by the student for the assignment will apply for each working day late.
- 4 Requirements for student to be awarded a passing grade in the course:  
To be assured of receiving a passing grade a student must attempt all of the summative assessment items, achieve an aggregated mark of at least 50% in the total marks allocated for the assignments, achieve at least 50% in the examination, and at least 50% of the available weighted marks for the summative assessment items. Students who do not qualify for a passing grade may, at the discretion of the Examiner, be awarded a supplementary examination and/or assigned additional work to demonstrate to the examiner that they have achieved the required standard. It is expected that such students will have gained at least 45% in the examination and 50% of the total marks available for all summative assessment items.
- 5 Method used to combine assessment results to attain final grade:  
The final grades for students will be assigned on the basis of the weighted aggregate of the marks (or grades) obtained for each of the summative assessment items in the course.
- 6 Examination information:  
This is a closed examination. Candidates are allowed to bring only writing and drawing instruments into the examination.
- 7 Examination period when Deferred/Supplementary examinations will be held:

Any Deferred or Supplementary examinations for this course will be held during the next examination period.

8 University Regulations:

Students should read USQ Regulations 5.1 Definitions, 5.6. Assessment, and 5.10 Academic Misconduct for further information and to avoid actions which might contravene University Regulations. These regulations can be found at the URL <http://www.usq.edu.au/corporateservices/calendar/part5.htm>. Students should also read the Faculty of Business Guide to Policies and Procedures of the Faculty which can be found at the URL <http://www.usq.edu.au/handbook/current/buspolproc.html>.

## ASSESSMENT NOTES

- 1 Assignments: (i) The due date for an assignment is the date by which a student must despatch the assignment to the USQ. The onus is on the student to provide proof of the despatch date, if requested by the Examiner. (ii) If requested, students will be required to provide a copy of an assignment submitted for assessment purposes. This should be despatched to the USQ within 24 hours of receipt of a request being made. (iii) The Examiner may grant an extension of the due date of an assignment in extenuating circumstances. Students may apply for an extension before the due date or include an application with the submitted assignment after the due date. Such applications should be in writing and include supporting documentary evidence. The authority for granting extensions rests with the relevant Examiner. (iv) The Examiner will normally only accept assessments that have been written, typed or printed on paper-based media. (v) In the event that a due date for an assignment falls on a local public holiday in their area, such as a Show holiday, the due date for the assignment will be the next day. Students are to note on the assignment cover the date of the public holiday for the Examiner's convenience.
- 2 Course Weightings: Course weightings of topics should not be interpreted as applying to the number of marks allocated to questions testing those topics in an examination paper.
- 3 Referencing in Assignments: Unless otherwise directed by the Examiner, all written and oral assignments submitted by students must conform to the guidelines laid out in the 'Communication skills handbook: How to succeed in written and oral communication'. Any work not prepared in accordance with these guidelines may be subject to penalty or requirement for resubmission.
- 4 Make-up Work: Students who have undertaken all of the required assessments in a course but who have failed to meet some of the specified objectives of a course within the normally prescribed time may be awarded the temporary grade: IM (Incomplete - Make up). An IM grade will only be awarded when, in the opinion of the Examiner, a student will be able to achieve the remaining objectives of the course after a period of non-directed personal study.
- 5 Deferred Work: Students who, for medical, family/personal, or employment-related reasons, are unable to complete an assignment or to sit for an examination at the scheduled time may apply to defer an assessment in a course. Such a request must be accompanied by appropriate supporting documentation. One of the following temporary grades may be awarded: IDS (Incomplete - Deferred Examination); IDM (Incomplete Deferred Make-up); IDB (Incomplete - Both Deferred Examination and Deferred Make-up).
- 6 Appeals: Any appeal against the award of a grade in the course will be conducted in accordance with University Regulations. These Regulations are published in the University Handbook.

## **OTHER REQUIREMENTS**

- 1 Learning Resources: Prescribed text and materials (see above); prescribed reference materials (see above); printed Introductory Book\*, Study Book/s\*, and Book/s of Selected Readings\*; and course Website accessible via USQConnect. \*part of the study package available from the USQ Bookshop.
  - 2 E-mail and Internet Access: Students will require access to e-mail and Internet access to USQConnect for this course.
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