Name:	Bryson R. Payne, Ph.D.	Term:	Spring 2006
School:	North Georgia College & State University	Email Address:	bpayne@ngcsu.edu
Department Name:	Math/CS	Office Location:	Newton Oakes Center 226
Course #:	CSCI 1302 A	Office Phone #:	864-1677
Course Title:	Computer Science II (Java)	Office Hours:	M/W:9:30-11am,1-2pm T/Th: 1-2pm; F:10-11am
Semester Hours:	4	Web Site:	www.ProfessorPayne.com
Class Hours:	M,T,W,F: 11-11:50 am		

Prerequisites: Grade of C or above in CSCI 1301 and CSCI 1301L

Course Description: This course is a continuation of the topics introduced in CSCI 1301. It extends the discussion of object-oriented programming to include interface, event handling, streams, recursion, and searching and sorting. This course will have a strong lab component.

Course Objectives:
At the end of this course students are prepared to apply the Java programming language to solve small to middle-scale problems. The focus will be on Java language constructs. Students will explore object-based programming, object-oriented programming, strings, graphics, graphical user interfaces, exception handling, files and streams.

Methods of Instruction: Class lecture, transparencies, presentation slides, laboratories, tutorial, Sun Microsystems Java, and class discussion.

Evaluation Methods:

Item	Weight	Grading Scale	
2 Tests	30%	90% and Above	A
Final Exam	20%	80% and Above	B
Labs	20%	70% and Above	C
Projects	30%	60% and Above	D
Total	100%	Below 60%	F

Exams:
Examination will be of mixed format, i.e. short answer, true/false, multiple choice, and programming problems. It is strongly recommended to review the Review Exercises section at the end the chapters that we cover.

General Expectations:
All projects are to be completed by the start of class on the due date given. Late work will be accepted no later than three days after it is assigned, with a 10 point per day penalty. Daily attendance is mandatory. NGCSU's attendance policy, found in the Undergraduate and Graduate Bulletins, will be enforced.

Course Content: Please note the following schedule is tentative. It may be necessary from time to time to change the order of the topics. The course calendar on the Web site will be updated regularly and should be consulted before each class period.

Chapter	Subject Description	
2	Review of object Oriented Programming	
9	Interfaces & Polymorphism	
10	Event Handling	
11	Inheritance	EXAM 1 (2-11)
12	GUI	
13	Arrays	
14	Exceptions	
15	Streams – File I/O	EXAM 2 (12-15)
17	Recursion	
22	TCP/IP – Internet Networking	

Knowledge Base:
Required Text

Big Java, Cay Horstmann, 2002, John Wiley & Sons, Inc.

Bibliography

1. Java How to Program, Deitel & Deitel, 3rd Edition, 1999, Prentice Hall.
2. Java Programming Advanced Topics, Wigglesworth and Lumby, Course Technology, 2000
3. Programming & object-oriented design using Java, Hosch and Nino, John Wiley & Sons .
4. Java Software Solutions, fundamentals of programming, second edition, Lewis and Loftus, Addison Wesley 2000.
5. The object of Java, introduction to programming using software engineering principles, Addison Wesley Pub. Co., 2002
6. Java, Java, Java, object-oriented problem solving Ralph Morelli, Prentice Hall international 2000

Academic Integrity Policy:
Honor Code: “On my honor, I will not lie, cheat, steal, plagiarize, evade the truth, or tolerate those who do.” Suspected violations of the Academic Integrity policy should be referred by students to the instructor. If the instructor concludes that a violation of the Academic Integrity policy has occurred, the instructor will either (1) penalize the student and file an incident report with the Academic Integrity Council or (2) refer the matter directly to the Academic Integrity Council. If an incident report is filed by the instructor, the instructor will review the completed report with the student and will request that the student sign the report as an indication that the student is aware of the contents of the report

Accommodation for Students with Disabilities:

North Georgia College & State University (NGCSU) is committed to the full inclusion of individuals with disabilities and to the principle of individual rights and responsibilities. To that end, the policies and procedures of NGCSU reasonably ensure that a person with a disability is not, on the basis of that disability, denied full and equal access to and the enjoyment of academic programs and co-curricular activities or otherwise is subjected to discrimination in such programs and activities.

The policies for access by individuals with disabilities at NGCSU are designed to ensure full compliance with all pertinent federal and state legislation, specifically to include Section 504 of the Rehabilitation Act of 1973 and the

Americans with Disabilities Act (ADA) of 1990.

To receive disability accommodations, the student should contact the Coordinator of Disability Resources, Office of Academic Support Programs, Room 121 Barnes Hall. Approval of reasonable accommodations will be made on a case-by-case basis.