This course syllabus is intended as a set of guidelines for COSC 1437. Both North Lake College and your instructor reserve the right to make modifications in content, schedule, and requirements as necessary to promote the best education possible within prevailing conditions affecting this course.

Instructor Information:
Instructor: Zhelan Chen
Email: ZXC7500@dcccd.edu
Office: T135
Office Hours: Evenings and weekends, by appointment only.
Best time to contact instructor is: Evenings and weekends

Course Information
Course title: PROGRAMMING FUNDAMENTALS II
Course number: COSC 1437
Section number: 75426
Credit hours: 4
Class meeting time: Online
Course description: This course provides students with the knowledge and skills required to develop JAVA applications. This course will introduce advanced object-oriented and event-driven program design and implementation in the Java programming language. Successful completion of this course will allow students to be able to apply various object-oriented and event driven programming concepts including the Java API, Java applications, applets, classes and objects, arrays, strings, graphics, interfaces, basic and advanced GUI components, HTML, layout managers, exception handling, collections, generics and database accessing.
Course prerequisites: None

Required Textbooks and Materials
- Access to a computer and familiar with basic computer operating system knowledge.
- Access eCampus through a web browser.
- Install free Java SDK with NetBeans or other Java IDE tools to complete lab exercises and develop Java projects.
- E-mail account.

Semester Specifics:
First day of class is: 06/05/2013
Last day to withdraw from this class is: 07/17/2013
Last day of class is: 07/31/2013

Course Objectives
The course focuses on Java program structure, language syntax, and implementation details.

Specific Course Learning Outcomes
- List the major elements of the Java 2 Platform Framework and/or the platform used to develop Java applications
- Analyze the basic structure of a Java application
- Document, debug, compile, and run a Java application
- Create, name, and assign values to variables
- Use common statements to implement flow control, looping, and exception handling
- Create methods (functions and subroutines) that can return values and take parameters
- Create, initialize, and use arrays, types, operators, API Docs, strings, streams, and files
- Explain the basic concepts and terminology of object-oriented programming, classes
- Use objects and reference types
- Create, initialize, and destroy objects in a Java application
- Build new Java classes from existing classes, inheritance, polymorphism, and virtual functions
- Define operators, use applets, and add event specifications
- Implement data structures, stacks, linked lists, queues, and use GUI components
- Use generics and collections. Database access.

Course Outline
**Class Schedule:**

<table>
<thead>
<tr>
<th>WEEK</th>
<th>ASSIGNMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Chapter 1; Introduction to Computers and Java; Lab chapter 1</td>
</tr>
<tr>
<td>2</td>
<td>Chapter 2; Java Fundamentals; Chapter 3; Decision Structures; Lab chapter 2 and 3</td>
</tr>
<tr>
<td>3</td>
<td>Chapter 4; Loops and Files; Project chapter 4; Chapter 5; Methods; Lab chapter 5</td>
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<tr>
<td>4</td>
<td>Chapter 6; A First Look at Classes; Lab chapter 6; Test 1</td>
</tr>
<tr>
<td>5</td>
<td>Chapter 7; Arrays and the ArrayList Class; Lab chapter 7</td>
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<tr>
<td>6</td>
<td>Chapter 8; A Second Look at Classes and Objects; Project chapter 8</td>
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<tr>
<td>7</td>
<td>Chapter 9; Exception Handling; Lab chapter 9</td>
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<tr>
<td>8</td>
<td>Chapter 10; Inheritance; Lab chapter 10</td>
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<tr>
<td>9</td>
<td>Chapter 11; Exceptions and Advanced File I/O; Lab chapter 11</td>
</tr>
<tr>
<td>10</td>
<td>Chapter 12; A First Look at GUI Applications; Chapter 13; Advanced GUI Applications; Project chapter 13; Test 2</td>
</tr>
<tr>
<td>11</td>
<td>Chapter 14; Applets and More; Lab chapter 14</td>
</tr>
<tr>
<td>12</td>
<td>Topic; Generic Classes and Methods; Java Collections; Lab collection</td>
</tr>
<tr>
<td>13</td>
<td>Chapter 16; Databases; Lab chapter 16.</td>
</tr>
<tr>
<td>14</td>
<td>Test 3; Tests, Labs and projects make up.</td>
</tr>
</tbody>
</table>

**Means of Assessment of Course Learning Outcomes**

Labs, projects, and on-line tests from eCampus.

**Evaluation Procedures**

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Percent of Total Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labs and Projects</td>
<td>70%</td>
</tr>
<tr>
<td>Tests</td>
<td>30%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
</tr>
</tbody>
</table>

**Grading Scale**

<table>
<thead>
<tr>
<th>Total Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90+</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>70-79</td>
<td>C</td>
</tr>
<tr>
<td>60-69</td>
<td>D</td>
</tr>
<tr>
<td>&lt;60</td>
<td>F</td>
</tr>
</tbody>
</table>

**Discipline/ Course/ Department/Policies**

All Lab assignments and projects are due at the end of the Saturday (11.59 pm) of the assignment week. Please check the calendar for details. All projects and labs passed due day are subject penalty of 10% deduction.

**INSTITUTIONAL POLICIES**
ACADEMIC DISHONESTY
The Student Code of Conduct prohibits academic dishonesty and prescribes penalties for violations. According to this code, which is printed in the college catalog, "academic dishonesty", includes (but is not limited to) cheating, fabrication, facilitating academic dishonesty, plagiarism, and collusion".

1) The Vice-President of Academic & Student Affairs may initiate disciplinary proceedings against a student accused of academic dishonesty.

2) Academic dishonesty includes, but is not limited to, cheating on a test, plagiarism and collusion.

3) Cheating on a test includes:
   a) Copying from another student's test paper;
   b) Using, during a test, materials not authorized by the person giving the test;
   c) Collaborating with another student during a test without permission to do so;
   d) Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of an un-administered test.
   e) Substituting for another student, or permitting another student to substitute for you to take a test; and
   f) Bribing another person to obtain an unadministered test or information about an unadministered test.

4) “Plagiarism” means the appropriation of another’s work (ideas and/or words) and the unacknowledged incorporation of that work in one’s written work offered for credit. Quotes not identified as quotes constitute a form of plagiarism even if the borrowed ideas are documented.

5) “Collusion” means an unauthorized collaboration with another person in preparing written work offered for credit.

Academic dishonesty may result in the following sanctions, including, but not limited to:
1. A grade of zero or a lowered grade on the assignment or course.
2. A reprimand.
3. Suspension from the college.

NOTIFICATION OF ABSENCE DUE TO RELIGIOUS HOLY DAY(S)
Students who will be absent from class for the observance of a religious holiday must notify the instructor in advance. Please refer to the Student Obligations section of the college catalog for more explanation. You are required to complete any assignments or take any examinations missed as a result of the absence within the time frame specified by your instructor.
REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (A430)
North Lake College provides academic accommodations to students with disabilities, as defined under ADA law. It is the student's choice and responsibility to initiate any request for accommodations. If you are a student with a disability who requires such ADA accommodations, please contact North Lake College's Disability Services Office in person (A430) or by phone at 972-273-3165.
http://www.northlakecollege.edu/resources/disability.html

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974 (FERPA)
In compliance with the Family Educational Rights and Privacy Act of 1974 (FERPA), the College may release information classified as "directory information" to the general public without the written consent of the student. Directory information includes: (1) student name, (2) student address, (3) telephone numbers, (4) date and place of birth, (5) weight and height of members of athletic teams, (6) participation in officially recognized activities and sports, (7) dates of attendance, (8) educational institution most recently attended, and (9) other similar information, including major field of student and degrees and awards received. Students may protect their directory information at any time during the academic year. If no request is filed, directory information is released upon written inquiry. No telephone inquiries are acknowledged. No transcript or academic record is released without written consent from the student, except as specified by law.

ADMINISTRATIVE WITHDRAWAL
Students with valid extenuating circumstances may be eligible for an administrative withdrawal by the Dean of the Division in which the course or courses are taught. An administrative withdrawal will not be awarded to students who simply fail to withdraw prior to the last day to receive a “W.” The request for an administrative withdrawal must be made in writing to the Dean of the Division with any supporting documentation attached. This must occur before the last official day of the semester.

DROP POLICY
If you are unable to complete this course, you must officially withdraw by:
- MayMester (May 13-June 3) – Wednesday, May 29, 2013
- Summer 1 (June 5-July 3) – Wednesday, June 26, 2013
- Summer 1 eight-week classes (June 5-July 25) – Friday, July 12, 2013
- Summer 1 and 2 ten-week classes (June 5-August 8) – Thursday, July 25, 2013
- Summer 2 (July 9-August 8) – Wednesday July 31, 2013

Withdrawing is a formal procedure which you must initiate; your instructor cannot do it for you. All Dallas County Community Colleges charge a higher tuition rate to students registering the third time for a course. This rule applies to the majority of credit and Continuing Education / Workforce Training courses. Developmental Studies and some other courses are not charged a higher tuition rate. Third attempts include courses taken at any DCCCD college since the fall 2002
semester. For further information, go online to: http://www.DCCCD.edu/thirdcourseattempt.

**STOP BEFORE YOU DROP**
For students who enrolled in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: https://www1.dcccd.edu/coursedrops

**FINANCIAL AID STATEMENT**
Students who are receiving any form of financial aid should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. Students who fail to attend or participate are also subject to this policy.

To apply for financial aid in the DCCCD, students must complete FAFSA (Free Application for Federal Student Aid) on the web at: http://www.fafsa.ed.gov

**COUNSELING SERVICES (A430)**
Counseling services for personal issues are provided to all students currently enrolled at North Lake College. These services are provided by licensed professionals who are bound by confidentiality (within ethical parameters) at no charge. With the assistance of a counselor, students are able to identify, understand, resolve issues and develop appropriate skills. To make an appointment call 972-273-3333 or visit A 430.

**The Academic Skills Center (ASC)**
The ASC is designed to provide the following assistance to students:

- An ESOL lab with computer access.
- Free tutoring for students enrolled in foreign language courses.
- The iRead Lab offers individual and small group tutoring, as well as workshops, to help current students improve their reading, study, and test taking skills.
- The Writing Center to help students clarify writing tasks, understand instructors’ requirements, develop and organize papers, explore revision options, detect grammar and punctuation errors, properly use and document sources, and improve their writing skills.
• The Online Writing Lab (OWL) allows students to submit papers to our writing tutors electronically and get feedback within 24–72 hours. The OWL can be accessed through eCampus.
  o After logging on to eCampus, click on the Community Tab at the top.
  o Type “Owl” in the search field and click “Go.”
  o Next, click on the double drop-down arrows next to “NLC-OWL2,” and then click on “Enroll.”
  o Once enrolled, students can receive services from the OWL.
• The Blazer Internet Lounge with 12 computers, additional open seating, and WiFi Internet access.

For more information or to schedule a tutoring appointment, come by A-332 or call 972-273-3089.

**TESTING CENTER (A 425)**
Monday-Thursday: 8:30 a.m. – 8:00 p.m.
   No tests will be issued after 7:00 p.m. Other cut-off times may be in effect for specific exams by the instructor’s direction. All exams collected at 8:00 p.m.
Friday-Saturday: 8:30 a.m.-3:30 p.m.
   No tests will be issued after 2:30 p.m. Other cut-off times may be in effect for specific exams by the instructor’s direction. All exams collected at 3:30 p.m.
Sunday – CLOSED

If you instructor requires you to complete an exam in the Testing Center, be sure to have the following information when you request you test:
1. Instructor’s name
2. Subject, course number, and section number (exp: Speech 1311.7011)
3. Exam number (1st, 2nd, 3rd, etc.)
4. Exam deadline (Get this information from your instructor. The testing staff cannot look up this information on computers).

You should also bring the following supplies:
1. Pencil
2. Scantron answer sheet
3. A Test Request Form must be completed before entering the Testing Center.
5. Government or school issued photo identification is required & enforced.

You may not bring personal items into the Testing Center. This includes bags, cell phones, and pagers.

Please show courteous and cooperative behavior while using the services provided by the Testing Center.

DO NOT bring children to the Testing Center. You must make arrangements for the care of your children prior to your exam date. The police department will be notified of any unattended children.
DO NOT take any testing materials with you when you leave the Testing Center. This includes the test, answers, charts, scratch paper. These items will be attached to your test.

Questions? Please visit the Testing Center (A 425) or call 972-273-3160.