

# Programming III

## CS 352



Name:	<b>Dr. Mohammad AlAhmad</b>
Office:	Building 19 – 2 <sup>nd</sup> floor – Office # 8
Office hours:	Sunday till Wednesday 9:30AM – 10:15 AM
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Time:	8 AM – 9:50 AM
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Credits Hours:	4
Lecture Hours Per week:	4
Prerequisites:	Programming II – 206
Text book:	Java How to Program, Early Objects, 10 <sup>th</sup> Edition, Paul Deitel and Harvey Deitel
Course Description:	Advanced Java programming concepts and techniques.

Course Objectives:	<ul style="list-style-type: none"><li>• To understand how inheritance promotes software reusability.</li><li>• Learn the concept of polymorphism.</li><li>• What exceptions are and how they're handled.</li><li>• To create and manipulate immutable character-string objects of class String.</li><li>• To create, read, write and update files.</li><li>• To build GUIs and handle events generated by user interactions with GUIs.</li><li>• To understand graphics contexts and graphics objects.</li></ul>
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### **Attendance policy**

PAAET class attendance regulation will be followed:

\_ fail to attend 2 lectures => initial warning

\_ fail to attend 4 lectures => final warning

\_ fail to attend 5 lectures => fail

### Assessment Plan for the Course

Midterm	25 %
Quizzes (3)	15 %
Classwork	5 %
Homework	5 %
Presentation	10 %
Final Exam	40 %
<b>Total</b>	<b>100%</b>

### Major Topics Covered in the Course

Unit	Topic	Number of teaching hours
<b>9</b>	<b>Object-Oriented Programming: Inheritance</b>	6
<b>10</b>	<b>Object-Oriented Programming: Polymorphism and Interfaces</b>	6
<b>12</b>	<b>GUI Components: Part 1</b>	20
<b>14</b>	<b>String, Characters and Regular Expressions</b>	6

## Study Plan

Week no.	Dates	Material
<b>1.</b>	Sun Jun 9 <sup>th</sup>	Introduction to classes, objects and methods Ch 3
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	Mon Jun 10 <sup>th</sup>	9.1, 9.2, 9.3
	Tue Jun 11 <sup>th</sup>	9.1, 9.2, 9.3
	Wed Jun 12 <sup>th</sup>	9.4, 9.5
<b>2.</b>	Sun Jun 16 <sup>th</sup>	9.6, 9.7
	Mon Jun 17 <sup>th</sup>	10.1, 10.2, 10.3 (Quiz 1, Ch3 & Ch9)
	Tue Jun 18 <sup>th</sup>	10.1, 10.2, 10.3
	Wed Jun 19 <sup>th</sup>	10.4, 10.5, 10.6 (Quiz2, Ch3, Ch9 & Ch10)
<b>3.</b>	Sun Jun 23 <sup>th</sup>	10.7, 10.8, 10.9
	Mon Jun 24 <sup>th</sup>	<b>Midterm (Ch3, Ch9 &amp; Ch10)</b>
	Tue Jun 25 <sup>th</sup>	<b>No lecture</b>
	Wed Jun 26 <sup>th</sup>	12.1, 12.2, 12.3, 12.4
<b>4.</b>	Sun Jun 30 <sup>th</sup>	12.1, 12.2, 12.3, 12.4
	Mon Jul 1 <sup>st</sup>	12.5, 12.6, 12.7, 12.8
	Tue Jul 2 <sup>nd</sup>	12.5, 12.6, 12.7, 12.8
	Wed Jul 3 <sup>rd</sup>	12.9, 12.10, 12.11, 12.12
<b>5.</b>	Sun Jul 7 <sup>th</sup>	12.9, 12.10, 12.11, 12.12
	Mon Jun 8 <sup>th</sup>	12.13, 12.14, 12.15, 12.16
	Tue Jun 9 <sup>th</sup>	12.13, 12.14, 12.15, 12.16
	Wed Jul 10 <sup>th</sup>	12.17, 12.18, 12.19, 12.20
<b>6.</b>	Sun Jul 14 <sup>th</sup>	12.17, 12.18, 12.19, 12.20
	Mon Jul 15 <sup>th</sup>	14.1, 14.2, 14.3 (Quiz3, Ch12)
	Tue Jul 16 <sup>th</sup>	14.4, 14.5
	Wed Jul 17 <sup>th</sup>	Presentation
<b>7.</b>	Sun Jul 21 <sup>st</sup>	Presentation
	Tue Jul 23 <sup>rd</sup>	<b>Final Exam 8:00AM</b>