Farmingdale State College  
Department of Mathematics  
Intersession 20XX Semester  

MTH116 – J0x – College Algebra    CRN: xxxxx  Meeting Days/Times – Online class following the  
MTH116 Daily Course Calendar  

Professor’s name and contact information:  
Donald R. Coscia, adjunct professor  
Mathematics Department Farmingdale State College,  
Whitman -157 Farmingdale, NY 11753-1021  
(516)607-5129 (cell)  
(631) 420-2182 (Office)  
(631) 420-2211 (Fax) Donald.Coscia@farmingdale.edu (e-mail)  

Grading in this class: Your final grade will be assigned in accordance with Farmingdale  
State College policy (see below and/or in the FSC Catalog for details).  

- 10% of the final grade will be based on discussion problem  
  participation, quality of responses, and your solutions of the  
  discussion problems;  
- 30% of the final grade will be based on section assignment  
  solutions;  
- 30% of the final grade will be based on module examinations  
  including the students work (question scores will be reduced by half  
  if the student’s work does not support the answer to the question or  
  the student’s work is missing); and  
- 30% of the final grade will be based on the cumulative final  
  examination including the students work (question scores will be  
  reduced by half if the student’s work does not support the answer  
  to the question or the student’s work is missing).  

Final Exam Date: The Final Examination will be available on 01/xx/20XX.  
Each student receives a unique examination which tests the same course objectives.  

Farmingdale Grading System: The college uses the following breakdown for reporting final grades.  

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<th>Grade</th>
<th>Percentage</th>
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<tr>
<td>A</td>
<td>93-100%</td>
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<td>90-92%</td>
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<td>83-86%</td>
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<td>B-</td>
<td>80-82%</td>
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<td>C+</td>
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<tr>
<td>D</td>
<td>60-66%</td>
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<td>F</td>
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Mathematics Learning Center: The Mathematics Learning Center, located in Whitman Hall 181, provides  
tutoring, at no charge, for students in introductory mathematics courses. Contact the Learning Center at  
(631) 420-2217 for information regarding hours of operation and activities.
**Cancelation of Classes:** Since this is an online class there will be no class cancellations unless there is a break-down in internet connectivity to the Farmingdale BlackBoard server or the WileyPlus server. You will be notified that the server is not connected when you attempt to log onto these websites.

**Electronic Devices Policy:** All students enrolled in online MTH116 are required to have a computer connected to a high-speed internet provider, a printer, a means to scan/photo written work to use as an attachment to Blackboard Course Mail and a scientific or graphing calculator: TI-89 suggested; TI-83, 84, 85, 86 accommodated.

**Attendance Policy:** Students are required to make 6 posts per DAY as per the MTH116 Daily Course Calendar. A post can take the form of a post to a discussion forum and/or solving a section assignment. If a student does not adhere to this policy, they might be withdrawn from the class.

**Use of Email:** It is College policy that instructors and students use the Farmingdale email system or the Blackboard email system to contact one another.

**Disability Services Center:** Located in Roosevelt 151. Phone: (631) 794-6174 Fax: (631) 794-6173.

**Academic Integrity Policy:** Because intellectual honesty is a cornerstone of all academic and scholarly work, each member of the Farmingdale State College campus community is expected to maintain academic integrity. Farmingdale State College has developed regulations concerning academic dishonesty and integrity to protect all students and to maintain an ethical academic environment. For more information, click the link below:

[http://www.farmingdale.edu/administration/provost/pdf/academic-integrity.pdf](http://www.farmingdale.edu/administration/provost/pdf/academic-integrity.pdf)

**Student Code of Conduct:** The President of the College and the Vice President for Student Affairs recognize the rights of designees including University Police, to enforce all regulations, policies, license agreements, laws and codes on campus. If any individual allegedly violates the laws, Student Code of Conduct or campus policies, a President’s designee will institute proceedings against the offender(s). For more information on the student code of conduct, click the link below:


**CATALOG DESCRIPTION:** This course is designed to prepare students for precalculus as well as for quantitative courses in the natural and social sciences. In this course, students are introduced to the fundamental concept of functions and their representations in contextual, numerical, graphical and algebraic forms. Linear, quadratic, power, polynomial, and exponential functions are investigated in all four representations. Properties of logarithms are introduced to aid in the solution of exponential equations.

**PREREQUISITES:** MP2 (MTH 015 or NYS Math A or Integrated Algebra Regents)

**REQUIRED FOR:** This course satisfies 3 credits of the mathematics competency area of the General Education requirements at Farmingdale State College.
REQUIRED TEXT:  

_Algebra: Form and Function_, loose leaf version, 2nd Edition bundled with _WileyPlus Student Access Card_ for software access is bundled with new texts purchased at the bookstore (http://farmingdale.bncollege.com)  

OR  
MTH116 WileyPlus Course ID: xxxxxx  


1 Inch View Binder – Black to hold the loose leaf version of the textbook  
ISBN: 281-8-440-03123-6  

AUTHORS:  
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Pat Shure, University of Michigan  
Carl Swenson, Seattle University  
Elliot J. Marks  

PUBLISHER:  
John Wiley and Son, 2015  

COURSE WEBSITE:  
BlackBoard -  
https://farmingdale.open.suny.edu/webapps/portal/execute/tabs/tabAction?tab_  

and  


log onto these websites.
The blue topics below are review and should be read by the students if they feel it would be helpful.

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<thead>
<tr>
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<th>SECTIONS</th>
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<tbody>
<tr>
<td>Appendix A</td>
<td>A1</td>
<td>Reordering and Regrouping</td>
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<td>The Distributive Law</td>
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<td>Appendix B</td>
<td>B1</td>
<td>Using the Operations of Arithmetic to Solve Equations</td>
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1

1.1 – 1.4 Functions and Algebraic Structure

1.1 What is a Function?
1.2 Functions and Expressions
1.3 Functions and Equations
1.4 Functions and Change
1.5 OMIT

Appendix C

C1 Solving Inequalities

Appendix F

F1 Absolute Value
F2 Absolute Value Equations and Inequalities

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2.1 – 2.4 & 2.6 Linear Functions

2.1 Introduction to Linear Functions
2.2 Linear Expressions
2.3 Linear Equations
2.4 Equations for Lines in the Plane
2.5 OMIT
2.6 Systems of Linear Equations

Appendix D

D1 Quadratic Expressions
D2 Solving Quadratic Equations

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3.1 – 3.5 Quadratic Functions

3.1 Introduction to Quadratic Functions
3.2 Quadratic Expressions
3.3 Converting to Factored and Vertex Form
3.4 Quadratic Equations
3.5 OMIT
3.6 OMIT

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4.1 – 4.4 Power Functions

4.1 Power Functions: Positive Exponents
4.2 Power Functions: Negative and Fractional Exponents
4.3 Power Functions and Exponents
4.4 Power Functions and Equations
4.5 OMIT

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OMIT OMIT
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