

# Math 304 Linear Algebra - Section 4 - Fall 2014

**Meeting Times:** MWF 3:30-5:00 PM in LN 1120

The class does not meet on the following days:

M 9/1, W 9/24, F 9/26, F 10/3, W 11/26, F 11/28

**Instructor:** Luise-Charlotte Kappe

**Office:** OW 126

**e-mail:** menger@math.binghamton.edu

**Office hours:** M 2-3 PM, W 1:30-2:30 PM, F 2-3 PM, and by appointment

**NOTE:** The office hours of the other Math 304 instructors are open to all Math 304 students. See the [course website](#) for further details.

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## TEXTS

1. "Linear Algebra", A Text for Math 304, Fall 2014, at Binghamton University, by Matt Brin and Gerald Marchesi, 13th edition, published by the Department of Mathematical Sciences, Binghamton University, available through the University Bookstore.
  2. "Beginning Linear Algebra" by Seymour Lipschutz, Schaum's Outlines, McGraw-Hill. (This is a workbook and supplements the main text, gives practice problems, examples and additional problem assignments.)
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**COURSE CONTENT:** Chapters 1-5 of "Linear Algebra", parts of Chapter 6.

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**EVALUATION:** Your grade will be based on the final, two midterms, weekly quizzes, as well as attendance and class participation. The weight distribution is as follows:

Final	30 %
Two Midterms (20% each)	40 %
Quizzes	25 %
Class Participation and Attendance	5 %
<b>Total</b>	<b>100 %</b>

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The two midterms (10/2 and 11/6) and the final (12/18) are common to all sections. For further details see the website.

There will be weekly quizzes that will be announced in advance. The material covered will have a strong correlation to the homework covered in class. Be aware that there will be no make-ups for missed quizzes, but at least two quizzes, missed or with the lowest grade, will be dropped. The first quiz will be

W 9/10, covering Sections 1.1-1.3.

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### **Quiz Announcements**

- Thirtieth Quiz, W 12/10, Topic: 6.2.1-6.2.4. Due to weather reasons, Quiz 13 will be postponed to Friday, 12/12. A key will be handed out right after the quiz is handed in. The graded quiz can be picked up either in the review on Sunday or at the final.
- Twelfth Quiz, F 12/5, Topic: 6.1.
- Eleventh Quiz, M 11/24, Topic 5.3.
- Tenth Quiz, W 11/19, Topic 5.1-5.2.
- Ninth Quiz, F 11/14, Topic: 4.8.
- Eighth Quiz, M 11/3, Topic: 4.3-4.6.
- Seventh Quiz, W 10/29, Topic: 4.1-4.2.
- Sixth Quiz, F 10/24, Topic: 3.6.1-3.6.3.
- Fifth Quiz, F 10/17, Topic: 3.5.
- Fourth Quiz, F 10/10, Topic: 3.3 and 3.4.
- Third Quiz, M 9/22, Topic: 2.1-2.3.
- Second Quiz, W 9/17, Topic Sec. 1.4 and 1.5.
- First Quiz, W 9/12, Topic Sec. 1.1-1.3.

### **Homework Announcements**

- **Week 15**
  - For M 12/8: 6.2 (68),(69); 6.3 S6-10, S6-11.
  - For W 12/10: 6.3 S6-13, S6-14; Review Problems: # 40.
  - For F 12/12: Review Problems # 32-39; #7-11.
- **Week 14**
  - For M 12/1: 6.1 (64).
  - For W 12/3: 6.1 (65) # 1,3,4,5; 6.3 S6-1.
  - For F 12/5: 6.2 (66) # 1,2; 6.3 S6-6, S6-8.
- **Week 13**
  - For M 11/24: 5.5 S5-7, S5-9.
- **Week 12**
  - For M 11/17: 5.2 (56).
  - For W 11/19: 5.2 (58); 5.3 (59).
  - For F 11/21: 5.3 (60),(61),(62).
- **Week 11**
  - For M 11/10: 4.8 (52) # 2-5, (53) # 2, (54) # 1,3,5.
  - For W 11/12: 4.8 (52) # 2,3; 4.9 S4-10.

- For F 11/14: 4.9 S4-20; 5.1 (55).
  
- **Week 10**
  - For M 11/3: 4.6 (49); 4.9 S4-10 (a).
  - For W 11/5: Practice Test 2, # 3,7,8,11.
  - For F 11/7: 4.8 (51), (52) # 1.
  
- **Week 9**
  - For M 10/27: 4.3 (46), # 1,2; 4.9 S4-1, S4-2.
  - For W 10/29: 4.4 (47); 4.9 S4-3, S4-4, S4-6.
  - For F 10/31: 4.5 (48) # 2,3; 4.9 S4-5, S4-7.
  
- **Week 8**
  - For M 10/20: 3.6 (41); 3.8 S3-15.
  - For W 10/22: 3.6 (42); 3.8 S3-20 thru S3-28.
  - For F 10/24: 4.1 (44); 4.2 (45) # 1,2,3.
  
- **Week 7**
  - Due M 10/13: 3.5 (39) # 1-4; 3.8 S3-9, S3-12.
  - For W 10/15: 3.5 (39) # 2 and 5; 3.8 S3-11, S3-12.
  - For F 10/17: 3.6 (40); 3.8 S3-13, S3-18.
  
- **Week 6**
  - Due M 10/6: 3.3 (34), (35); 3.6 S3-1, S3-2.
  - Due W 10/8: 3.3 (36) # 1,3,4; 3.4 (38); 3.8 S3-3, S3-4.
  - Due F 10/10: 3.4 (37); 3.8 S3-6, S3-7, S3-8.
  
- **Week 5**
  - Due M 9/29: 2.7 (24),(25), (26).
  - Due W 10/1: Practice Problems for Test 1, # 9, 10 and 11  
(Hint for 10 and 11: find the associated matrices for F and G).
  
- **Week 4**
  - Due M 9/22: 2.6 (21) # 1, 2.11 S2-4, S2-5a).
  
- **Week 3**
  - Due M 9/15: Sec.1.7 S1-15, S1-16, Sec.2.1 (14) #1-4.
  - Due W 9/17: 2.2 (15) 1a), 1b), 2d), 2i), 2m) and 4).
  - Due F 9/19: 2.4 (17), 2.5 (18), (20).
  
- **Week 2**
  - Due M 9/8: Section 1.2 (4) #1; Section 1.7 S1-9, S1-10, S1-11.

- Due W 9/10: Sec.1.3 (7), Sec.1.4 (8), Sec.1.7, S1-1, S1-2.
- Due F 9/12: Sec.1.5 (9), Sec. 1.6 (10), Sec.1.7 S1-4, S1-14.

• **Week 1**

- Due F 9/5: Section 1.1 (1) #1; Section 1.2 (2) #1; (3) #1.

From:

<http://www2.math.binghamton.edu/> - **Department of Mathematics and Statistics,  
Binghamton University**

Permanent link:

<http://www2.math.binghamton.edu/p/math304/section4>



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