ASU ARIZONA STATE UNIVERSITY

Calculus II

MAT 266   **Fall 2020**

Instructor: Zdzislaw Jackiewicz	**Office: Zoom meeting room link: https://asu.zoom.us/j/7391565954**
SLN : 71940 and 75705	**Time/Day:** TTh
E-mail: jackiewicz@asu.edu	**Hours: 9:00-10:15 and 10:30-11:45**

Text: *Essential Calculus, Early Transcendentals, 2ⁿᵈ Edition,* by James Stewart (Cengage) or the ASU bookstore version: *ACP Calculus (Custom) ASU Bundle (W/Enh WEbAssign Access)*
Program: https://webwork.asu.edu

Test reviews: https://math.asu.edu/resources/math-courses/mat266
Videos:
- New link (search for MAT266): https://mathcast.la.asu.edu/engage/ui/index.html?s=1&p=1
- Old link: **https://math.la.asu.edu/~surgent/video/mat266_exp.html**

EMAIL:
When e-mailing me to xxx, please include the class you are in (**e.g. MAT 211, Section #####**) and your full name.
You MUST send all emails from your official ASU email account (not yahoo, gmail etc).
When I send Canvas announcements, they will go to your @asu.edu account. You need to check this account regularly.

Tentative Lecture and Test Schedule

Week Of		Section	Concepts/Comments
Aug 20		5.1-5.4	Introduction; Review of the Definite and Indefinite Integral
Aug 24		5.5, 6.1	Substitution, Integration by Parts
Aug 31		6.2, 6.3	Trigonometric Integrals and Substitutions, Partial Fractions
Sept 7		6.3, 6.4	*Labor Day (9/7)*, Partial Fractions(cont), Integration with Tables & CAS
Sept 14		6.5, 6.6	Numerical Integration (cont.), Improper Integrals
Sept 21		7.1	*Test 1 Review,* **Test 1** (9/23), Area Between Curves
Sept 28		7.2, 7.3	Volumes (Slicing, Disks and Washers), Volume (Shells)
Oct 5		7.4, 7.6	Arc Length, Applications to Physics and Engineering (Work)
Oct 12		7.6, 8.1,	*Fall Break* Work (cont.), Sequences,
Oct 19		8.2, 8.4	Series, Convergence Tests
Oct 26		8.5	*Test 2 Review,* **Test 2** (10/28), Power Series,
Nov 2		8.5, 8.6	*Course Withdrawal Deadline(11/4)* Power Series (cont), Rep. Functions as Power Series
Nov 9		8.7, 9.1	*Veterans Day (11/11)* Taylor & Maclaurin Series, Parametric Curves
Nov 16		9.2	Calculus with Parametric Curves, *Test 3 Review*
Nov 23		9.3	*Thanksgiving* (11/26-11/27) **Test 3** (11/23), Polar Curves
Nov 30		9.3, 9.4	Polar Curves (cont), Tangents to Polar Curves , Areas and Lengths in Polar Coordinates, Final Exam Review
Finals Week			The Final Exam - Tuesday, 12/8 from 7:10-9:00pm

<u>**Important Dates and Points Allocations**</u>

Testing Schedule			Grade Allocations		Min. % for Grades	
Test	*Covering through*	*Date*	Tests*	50%	A	90%
1	5.5, 6.1-6.5	9/21	Homework & Quizzes	25%	B	80%
2	6.6, 7.1-7.4, 7.6, 8.1-8.2	10/28	Final Exam	25%	C	70%
3	8.4-8.7, 9.1, 9.2	11/23	Total	100%	D	60%
Final	Comprehensive, including 9.3, 9.4	12/8	*No test will be dropped		E	<60%

Grading :   A – 90%   B – 80%   C – 70%   D – 60%   E - < 60%

Course Withdrawal Deadline	Wednesday, 11/4/2020
Complete Withdrawal Deadline (withdraw from all classes in a session)	Friday, 12/4/2020

Prerequisite: MAT 265 or MAT 270 (Calculus I) with a grade C or better.

Catalog Description

Methods of integration, applications of calculus, elements of analytic geometry, improper integrals, Taylor series.

Course Overview

The purpose of the course is to gain a working understanding of methods of integration, applications of calculus, elements of analytic geometry, improper integrals and series, to include Taylor Series. All the standard methods of techniques of integration are covered. Applications of calculus include general methods where the goal is for the student to divide a quantity into small pieces, estimate with Riemann sums and recognize the limit as an integral. Taylor Series and Taylor Polynomials are covered. Parametric and polar curves are introduced and methods of calculus are applied to them.

Learning Outcomes

At the completion of this course, students will be able to:
- Evaluate an integral using the substitution method, integration by parts, trigonometric substitution or partial fractions.
- Use tables to match the form of a given integral to a form given on the table to evaluate the integral.
- Approximate the definite integral using the Midpoint, Trapezoidal or the Simpson's Rule.
- Evaluate an improper integral where either the definite integral is extended to cover the case where the interval is infinite or where f has an infinite discontinuity on $[a, b]$.
- Determine the area of a region enclosed by given curves.
- Determine the volume of the solids of revolution obtained by rotating a region about a line using washer, disc or shell method.
- Determine the arc length of a curve.
- Solve applied problems involving work, including the work to stretch a spring and the work to empty a tank of liquid.
- Determine if a sequence converges or diverges and find the limit.
- Determine if a series converges or diverges using geometric series or test for divergence.

- Find a radius and interval of convergence for a power series.
- Perform differentiation and integration on known power series to create new power series.
- Find a power series representation and the interval of convergence for a given a function.
- Find either a Taylor Series or Maclaurin Series for a given a function.
- Convert between Cartesian and parametric form and sketch a curve defined parametrically.
- Determine the tangent line at a point on a curve defined parametrically
- Find the area below a parametric curve and the arc length along a curve.
- Convert between Cartesian and polar form and sketch a curve defined in polar coordinates.
- Find the area made by a polar curve.

Text: *Essential Calculus, Early Transcendentals, 2ⁿᵈ Edition,* by James Stewart (Cengage) or the ASU bookstore version: *ACP Calculus (Custom) ASU Bundle (W/Enh WebAssign Access)*

You should read each section of the textbook and watch videos before it is covered in class.

A used version of the textbook is fine. The new version of the textbook at the bookstore comes bundled with WebAssign at no added cost.   However, we will not use WebAssign this semester. We use WeBWorK.

Note 1: The materials required for this course and any others using Cengage products are included in ONE Cengage Unlimited subscription. For $119.99 per semester, you get access to ALL Cengage online textbooks, platforms, study tools and more—in one place. $7.99 print textbook rentals are also available. Ask for Cengage Unlimited in the bookstore or visit cengage.com/unlimited.
Note 2: we do not use WebAssign in this course. We will use WeBWorK, which is free to you

Online Homework will be submitted online through **WeBWorK**. (Click on your instructor's name at https://webwork.asu.edu.) Students are also responsible for reading each section and watching each video *before* it is taught in class. For best results on the tests (especially the final exam), do not use the work of others (including Wolfram Alpha) to answer the problems.

- WRITE YOUR OWN NOTES FOR EACH HW PROBLEM. You will use it later to prepare for exams. It also helps you to learn how to structure your mathematical thinking in written form
- **Murphy's Law:** something always happens on the evening of the due date. Do not postpone – try to be at least 24 hours ahead of schedule.
- **Work ahead and give yourself extra time to review/study before the exam.**

Exams: There will be three 50 minute midterm exams given during the semester.   All exams will be taken in the classroom on the dates indicated on the given table. Non CAS graphing calculators are allowed on the exams, but graphing calculators that do symbolic algebra are not allowed on the exams (see below). **Your calculator may be viewed during exams and it will be taken away if it is a CAS calculator or have its memory cleared if anything suspicious is written therein.** The Instructor has the right to regard any suspicious material in your calculator memory as cheating. **Any student who accesses a phone or any internet-capable/camera device during an exam for any reason automatically receives a score of zero on the exam. All such devices must be turned off and put away and made inaccessible during the exam.** Makeup exams are given at the discretion of the instructor and only in the case of verified medical or other emergency, which must be documented. The instructor must be notified before the test is given. Call the instructor or the Math Department Office (480-965-3951) and leave a message or directly notify your instructor.

- **Picture ID requirement for testing:** For each exam including the final, you must bring a picture ID.

- **Cell Phones and Electronic Devices:** Any student who accesses for any reason a phone or any internet-capable device during an exam will automatically receive a score of zero on the exam. All such devices must be turned off and put away and made inaccessible during the exam.

Final Exam: Tuesday, December 8th, **7:10-9:00 pm**. The final exam is comprehensive through section 9.4.

Video Resources

Videos made by ASU:
- New link, these videos are faster and ADA compatible (search for MAT266):
  https://mathcast.la.asu.edu/engage/ui/index.html?s=1&p=1
- Old link, might be deleted soon: **https://math.la.asu.edu/~surgent/video/mat266_exp.html**

You can watch corresponding videos before each class.

Tutoring: The following sites provide free tutoring to all ASU students:
- The Math Tutoring Center   (https://math.asu.edu/resources/math-tutoring-center)
- Engineering Tutoring Center (https://tutoring.engineering.asu.edu/courses-tutored-times)
- The Math Community Center (https://math.asu.edu/resources/math-community-center)
  - this is a very good one!
- University Academic Success Program (https://tutoring.asu.edu/student-services/tutoring)
- Students can also visit https://tutoring.asu.edu and utilize Tutor Search to select their course and the times they are available to find a specific tutor that can assist them.

Graphing Calculator: A graphing calculator is required for this course. If you already have a graphing calculator, you may use it. Examples of highly recommended models are the TI-$n$spire & TI 83/84 or Casio 9850GB Plus. Calculators that do symbolic algebra, such as the Casio FX2, Casio 9970Gs,TI-89, TI-92, or TI- $n$spire CAS **cannot** be used in class or during an exam.

Communicating with the Instructor

EMAIL: this is the best way to contact me ***regarding personal matters***. When e-mailing, include the class you are in (**e.g. MAT 266, Section #####**).
When I send announcements, they will go to your @asu.edu account. You need to check this account regularly. I cannot be responsible for announcements you did not receive because you are using a different account than the one assigned by the university.

You MUST send all emails from your official ASU email account (not yahoo, gmail etc).
ASU email is an official means of communication among students, faculty, and staff. Students are expected to read and act upon email in a timely fashion. Students bear the responsibility of missed messages and should check their ASU-assigned email regularly.
All instructor correspondence will be sent to your ASU email account.

Exam Proctoring:

This course uses online proctoring to ensure academic integrity. Online proctoring tools use the student's device hardware (webcam & microphone) to record the student while they test in order to simulate in-person testing conditions. The tools may also record the student's computer screen activity and physical room environment. Once testing is complete and the proctoring tool is closed, it will no longer have access to the device or its hardware and will be unable to monitor anything on the device or within the room.

Before you start the test, you will be asked to perform **a room scan** to show your work environment and make sure there are not materials that are not allowed. Books, notes or "cheat sheets" of any kind are not allowed. If the room scan does not show your entire work environment, you will be in violation of the exam instructions and in violation of ASU's Academic Integrity Policy. The penalties will range from deducting exam points, assigning a grade of zero to being reported for violation of the academic integrity policy.

Proctoring Statement: Students in face-to-face or online courses taking exams and quizzes at Arizona State University should expect to be proctored. The process includes verifying the identity of the student and providing either live proctors or other forms of proctoring during the exam or quiz. In the case of face-to-face courses, students can be required to show a valid identification card, and expect to be monitored by proctors while taking either an exam or quiz

Additional Course Policies:

- Students are responsible for assigned material whether or not it is covered in class. Students are responsible for material covered in class whether or not it is in the text. Working regularly on assigned problems and *attending class* are essential in order to do well. Expect to spend at least 6-10 hours weekly on homework/labs. You are expected to read the text, preferably before the material is covered in class.
- Make-up exams are at the discretion of the instructor and only in case of documented emergency. In any case, no make-up exams will be given unless the student has notified the instructor through email before the test is given.
- All E-mail communication must be done from your ASU account. Due to FERPA (Family Educational Rights and Privacy Act), E-mails received from other accounts will not be answered.

ASU Synch
This course uses Sync. ASU Sync is a technology-enhanced approach designed to meet the dynamic needs of the class. During Sync classes, students learn remotely through live class lectures, discussions, study groups and/or tutoring. You can find out more information about ASU Sync for students here, https://provost.asu.edu/sync/students and https://www.asu.edu/about/fall-2020.

Zoom Etiquette: During the Zoom sessions, please log in on time and assure that you have a reasonably secure connection. Please use your full name or first name-last initial. No outside attendees will be allowed, and during the sessions, please keep your microphone's audio muted except when needing to talk to the instructor. The instructor reserves the right to remove anyone from the Zoom sessions for disruptive behavior.

Canvas and Course Access

Your ASU courses can be accessed by both [my.asu.edu](my.asu.edu) and myasucourses.asu.edu; bookmark both in the event that one site is down. This brings you into the Canvas shell for the course. This is where you will go often throughout the semester.

Technology Requirements

ASU Sync classes can be live streamed anywhere with the proper technology. We encourage you to use a PC or Apple laptop or desktop equipped with a built-in or standalone webcam. You will need an internet connection that can effectively stream live broadcasts. It is recommended that your internet download speed is at least 5.0 mbps. You can use this [tool to test your current connection](#).

We do not recommend the use of iPads or Chromebooks for ASU Sync as these devices do not work for class exams that may be proctored remotely.

If you are not able to personally finance the equipment you need to attend class via ASU Sync, ASU has a laptop and WiFi hotspot checkout program available through [ASU Library](#).

Who is eligible?

- Any currently enrolled ASU student is eligible to checkout a laptop. The current availability of laptops can be found [here](#).
- Borrowing and returning laptop rules
- Laptops are lent on a first-come, first-serve basis, and cannot be reserved in advance. They can be returned at any time, but will be due at the conclusion of the fall 2020 semester.
- Rentals are limited to one laptop per student.
- Laptops are available for checkout at the following libraries on all four campuses. ([Please check online for current library hours](#))
  - o Downtown Phoenix campus Library
  - o Polytechnic campus Library
  - o Tempe: Hayden and Noble Libraries
  - o West campus: Fletcher Library
- Return laptops to any ASU Library Information Desk (not at the drop box or other location)
- [Refer to ASU Library Computer Use Policy and ASU Computer, Internet, and Electronic Communications Policy](#).
- Borrowers are responsible for loss, damage, and theft of the laptop while in their possession. Borrowers should verify the condition of the laptop at the time of check-out and upon check-in.

Additional Requirements:

This course requires the following technologies:

- Web browsers ([Chrome](#), [Mozilla Firefox](#), or [Safari](#))
- [Adobe Acrobat Reader](#) (free)
- [Adobe Flash Player](#) (free)
- Webcam, microphone, headset/earbuds, and speaker
- Microsoft Office ([Microsoft 365 is free](#) for all currently-enrolled ASU students)
- MATLAB (available through MyApps for all currently-enrolled ASU students)
- Reliable broadband internet connection (DSL or cable) to stream videos.
- A graphing calculator (e.g. TI-84) is recommended. <u>Calculators that perform symbolic manipulation (e.g. TI-89, TI-92, TI-Inspire CAS, Casio FX2 or 9970G) are not allowed for tests and quizzes.</u>

Student Success

To be successful:

- check the course daily
- read announcements
- read and respond to course email messages as needed
- complete assignments by the due dates specified
- communicate regularly with your instructor and peers
- create a study and/or assignment schedule to stay on track
- access ASU Student Resources

The School of Mathematical and Statistical Sciences Policies and Procedures

ATTENDANCE: Attendance is mandatory! Your instructor reserves the right to take attendance and to incorporate your attendance as part of your overall grade. For classes that meet two days a week, the maximum number of absences is four. For classes that meet three days a week, the maximum number of absences is six. Students who exceed the number of allowed absences will receive a grade of **EN.** Your instructor reserves the right to take attendance and to incorporate your attendance as part of your overall grade.

Academic Status Report: During the semester you may be issued an academic status report from your instructor if your class grade is failing at that time. If you receive such a status report, you must act on it. Status reports are **not** a real-time running tally of your grades in the class, nor are they updated to reflect grades earned after the report has been issued.

Classroom behavior, etiquette and academic integrity policies
- Athletes with travel schedules should meet with the instructor by the end of the first week of classes to discuss any necessary arrangements that need to be made.

- If you have a disability that requires special accommodations, it is your responsibility to bring this to your instructor's attention during the first week of class. You must also contact the ASU Disability Resource Center https://eoss.asu.edu/drc.   All efforts will be made to ensure you have equal opportunity to succeed in the course, but there can be no retroactive accommodation.

- **Absences related to religious observance/practices or university sanctioned events and activities:** if you will be absent from class due to a religious observance or practice that are in accordance with ACD 304-04, or from participation in a university sanctioned event/activity in accord with ACD 304-02, it is your responsibility to inform the instructor during the first week of class. Your instructor will work with you on alternative and reasonable arrangements for any time missed

- Classroom disturbances, including but not limited to: arriving late, talking in class, using cellular devices, texting, listening to music, eating and drinking are not tolerated. Each student is expected to show respect for every student registered in the course. Turn off any cellular phones, pagers, laptops, tablets and other electronic devices and put them out of sight prior to entering class. The usage of laptops is prohibited in the classroom. Notes should be taken with pen/pencil on paper. If you wish to use an electronic device for note taking, talk to your instructor.
An instructor may withdraw a student from a course when the student's behavior disrupts the educational process under USI 201-10 http://www.asu.edu/aad/manuals/usi/usi201-10.html
Students are required to adhere to the ABOR Student Code of Conduct: https://eoss.asu.edu/dos/srr/codeofconduct.

- **Academic Integrity:** Academic honesty is expected of all students in all assignments, examinations, papers, laboratory work, academic transactions and records. Academic dishonesty, including

inappropriate collaboration, will not be tolerated. There are severe sanctions for cheating, plagiarism, and any other form of dishonesty. The possible sanctions include, but are not limited to, appropriate grade penalties, course failure (indicated on the transcript as a grade of E), course failure due to academic dishonesty (indicated on the transcript as a grade of XE), loss of registration privileges, disqualification and dismissal. For more information, see http://provost.asu.edu/academicintegrity and https://provost.asu.edu/sites/default/files/AcademicIntegrityPolicyPDF.pdf)

- **The grade of XE:** A grade of XE is reserved for "failure due to academic dishonesty." The grade goes on the student's transcript and usually remains there permanently. Examples of academic dishonesty are signing an attendance sheet for another student or asking another student to sign an attendance sheet on your behalf, accessing unauthorized help while taking an exam, and attempting to influence a grade for reasons unrelated to academic achievement. Asking for a higher grade than the one you have earned because you need a higher grade to maintain a scholarship, or to satisfy your own or someone else's expectations constitutes academic dishonesty.

Failing grades (The E, EN and EU grades)
--- The E grade is for students who participated in the class but did not earn enough credit to pass or attain the D grade.
--- The EN grade is for student who never once participated in the class. At the instructor's discretion, any student who has not attended class during the first week of classes may be administratively dropped from the course. However, students should be aware that non-attendance would NOT automatically result in being dropped from the course. Thus, a student should not assume they are no longer registered for a course simply because they did not attend class during the first week. It is the student's responsibility to be aware of their registration status
--- *The EU grade is for students who participated, but then stopped after a certain point and never resumed. Might result in losing scholarships or financial aid.*

Y Grade

The Y grade is equivalent to a C or higher but does not count in grade-point calculations. You are advised to speak with an advisor in your major's college to understand how the Y grade may affect your student standing, requirements for your major, your scholarships, and so forth. Requests for the Y grade should be made to your instructor no later than November 4. In general, requests for the Y made after November 4 will not be considered

The grade of Incomplete: A grade of incomplete will be awarded only in the event that a documented emergency or illness prevents the student who is doing acceptable work from completing a **small** percentage of the course requirements. The guidelines in the current general ASU catalog regarding a grade of incomplete will be strictly followed.

Withdrawal: A student may withdraw from a course with a grade of **W** during the withdrawal period. The instructor's signature is not required. A complete withdrawal must be done in person and that it involves withdrawing from all ASU classes, not just Math 266. Students will not be withdrawn if they merely stop coming to class. It is a student's responsibility to verify whether they have in fact withdrawn from a class.

Instructor-Initiated Drop: At the instructor's discretion, a student who has not attended any class during the first week of classes may be administratively dropped from the course. However, students should be aware that non-attendance will NOT automatically result in their being dropped from the course. Thus, a student should not assume they are no longer registered for a course simply because they did not attend class during the first week. It is the student's responsibility to be aware of their registration status.

Final Exam Make-up Policy: The final exam schedule listed in the Schedule of Classes will be strictly followed. Except to resolve those situations described below, no changes may be made in this schedule without prior approval of the Dean of the College of Liberal Arts and Sciences. Under this schedule, if a conflict occurs, or a student has more than three exams on one day, the instructors may be consulted about an individual schedule adjustment. If necessary, the matter may be pursed further with the appropriate dean(s). This procedure applies to conflicts among any combination of Downtown Phoenix campus, Tempe campus, Polytechnic campus, West campus, and/or off campus class. Make-up exams will NOT be given for reasons of a non-refundable airline tickets, vacation plans, work schedules, weddings, family reunions, and other such activities. Students should consult the final exam schedule before making end-of-semester travel plans.

Disability Accommodations: If you have a disability that needs accommodating, please report this privately to the instructor **by the end of the first week of class**. You should also contact the Disability Resource Center at (480) 965 – 1234 (voice) or (480) 965 – 9000 (TTY). All efforts will be made to ensure you have equal opportunity to succeed in the course.

Establishing Eligibility for Disability Accommodations: Students who feel they will need disability accommodations in this class but have not registered with the Disability Resource Center (DRC) should contact DRC immediately. Their office is located on the first floor of the Matthews Center Building. DRC staff can also be reached at: 480-965-1234 (V), 480-965-9000 (TTY). For additional information, visit: http://www.asu.edu/studentaffairs/ed/drc. Their hours are 8:00 AM to 5:00 PM, Monday through Friday. Please complete this process as soon as possible and schedule an appointment to see me during office hours if you have a disability that will require accommodations in the Disability Resource Center.

Ethics: Grades are based only on academic work and are calculated using the same criteria for all students. It is highly unethical to bring to your instructor's attention the possible impact of your mathematics grade on your future plans, including graduation, scholarships, jobs, etc. The instructor may exercise an option to withdraw you from the course if they think you are compromising the ability to assess your work independently of any other consideration.

Title IX
Title IX is a federal law that provides that no person be excluded on the basis of sex from participation in, be denied benefits of, or be subjected to discrimination under any education program or activity. Both Title IX and university policy make clear that sexual violence and harassment based on sex is prohibited. An individual who believes they have been subjected to sexual violence or harassed on the basis of sex can seek support, including counseling and academic support, from the university. If you or someone you know has been harassed on the basis of sex or sexually assaulted, you can find information and resources at https://sexualviolenceprevention.asu.edu/faqs.

As a mandated reporter, I am obligated to report any information I become aware of regarding alleged acts of sexual discrimination, including sexual violence and dating violence. ASU Counseling Services, https://eoss.asu.edu/counseling, is available if you wish discuss any concerns confidentially and privately.

Copyrighted Materials:

Students must refrain from uploading to any course shell, discussion board, or website used by the course instructor or other course forum, material that is not the student's original work, unless the students first comply with all applicable copyright laws; faculty members reserve the right to delete materials on the grounds of suspected copyright infringement. The content of this course, including lectures and other instructional materials, are copyrighted materials. Students may not share outside the class, including uploading, selling or distributing course content or notes taken during the conduct of the course. Any recording of class sessions is authorized only for the use of students enrolled in this course during their enrollment in this course. Records and excerpts of recordings may not be distributed to others. Any (parts of) exams, assignment, reports, or solutions to these, from current or previous semester, posted to any website not affiliated with ASU will result in academic integrity disciplinary actions against the students posting them and the students using them.

Note: This syllabus is tentative and should not be considered definitive. The instructor reserves the right to modify it (including the dates of the tests) to meet the needs of the class. It is the student responsibility to attend all class meetings and to make note of any changes. The instructor also reserves the right to create class policies in regards to homework due date, late assignments, etc.

Recommended Practice Problems

SECTION	PROBLEMS FROM TEXTBOOK
5.5	1-19 odd, 33, 35, 37, 39, 40, 45, 46, 48
6.1	1, 2, 5, 9-12, 17, 20, 22, 23
6.2	2, 4, 5, 7, 9, 17, 18, 19, 20, 39-44
6.3	1-3, 7-10, 15, 17, 19, 21, 23
6.4	3-6, 10, 19, 21
6.5	1, 2, 3, 8, 15, 29, 33
6.6	3, 5, 6, 8, 9, 13, 16, 17, 21, 23, 24, 30, 32
7.1	1-4, 8, 9, 12, 15, 29
7.2	2-5, 9, 12, 13, 14, 32, 33, 38, 41, 42, 43
7.3	2-6, 10, 11, 15, 17
7.4	2, 3, 7, 9, 12, 15
7.6	1, 2, 5, 6, 9, 10, 12, 15, 16, 17, 18
8.1	3, 4, 6, 8, 9, 11, 14, 17, 18, 24, 27, 29
8.2	7-10, 15, 18, 21, 25, 26, 31, 32, 39
8.4	2, 19, 20, 21, 24, 25, 26
8.5	3, 5, 7, 8, 9, 11, 14, 15, 18
8.6	3-8, 13, 15, 16, 26, 28, 29
8.7	2, 4-7, 11-14, 18, 23- 25, 27, 32, 36, 37, 41, 47, 48, 52, 53, 54
8.8	3, 6, 7 (optional section)
9.1	5-8, 11-18
9.2	3-5, 9-11, 13, 14, 16, 17, 18, 26, 28, 29, 37, 39
9.3	3, 5, 7, 10, 13, 16, 17, 46, 47, 49, 51, 52
9.4	1, 2, 5-8, 11, 15, 33, 34, 35

(problems may be added or deleted at the instructor's discretion)