

# IT Infrastructure

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MIS 327

Fall 2019

**Instructor:** Heather Miles

**Office:**

MOLN D120

**E-mail:** miles@uwp.edu

**Office Hours:**

MW: After Class

**Phone:** 262-595-2592 – but send email

**Class Times:**

MW 3:30pm – 4:52pm

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## Required Materials

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*An Introduction to Computer Networks*, <http://intronetworks.cs.luc.edu/>

AND

*Cloud Computing Bible*, ISBN 978-0-470-90356-8

Also, students must have an electronic means of saving course work and class files. This can take many forms. At a minimum, you can always use your student accounts on CANVAS to store your files. However, two copies of any work is ALWAYS a good idea.

## Course Description

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The objective of this course is to study current strategies and techniques of fundamental principles of computer networks, hardware, facilities and related equipment/processes used to support IT services. Includes physical, virtual, and cloud based servers and networks ranging from personal to global.

## Course Goals & Objectives

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1. The student will be able to select appropriate network infrastructure and define its primary operations for a variety of situations.
2. The student will be able to select appropriate cloud infrastructure and define its primary operations for a variety of situations.
3. The student will be able to select appropriate virtualization infrastructure and define its primary operations for a variety of situations.
4. The student will be able to determine and specify information systems requirements and propose information technology (IT) architecture for a variety of types of organizations in a variety of situations.
5. The student will learn to work effectively in teams to design and create solutions to simulations of real world challenges.

## Time Management

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Plan your time appropriately. Remember that 1 hour of in class time is expected to have at least 2-3 hours outside of class in reading, completing assignments, and preparing for tests and/or quizzes.

See <http://issuu.com/universityrelations/docs/2015successguideflip> for a refresher.

You are expected to put the time in you need to successfully meet the objectives of the course on a weekly basis.

# Course Expectations

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## **Contacting Me**

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The best way to contact me is through e-mail (I check several times a day). Please include **MIS-327**: in the subject of your email. It helps me to locate class emails and fight SPAM.

## **CANVAS**

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CANVAS will be the online software I will use to post any announcements, which may or may not be made in class. I will also post all assignments, reading materials and quizzes to this site as well. Additionally, you may view your current grade at this site.

To log on to the site, you will need to have activated your UW – Parkside e-mail account. You can click on the CANVAS link in the logins area of the UWP homepage (<http://www.uwp.edu/>)

## **Computer Anomalies:**

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All homework, labs, and quizzes will be due **as assigned**. They are to be turned in using CANVAS. If there are extenuating circumstances, feel free to talk to me, at or before the next class time. Please plan ahead to allow for technology issues.

## **Course Schedule:**

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The course schedule show what material will be covered in any given week. It shows the lecture topics as well as the assignments and due dates. It is recommended that you print the Course Schedule and keep it in your book or folder for a quick reference.

## **Class Participation:**

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Your education is your responsibility. You are being given the opportunity to learn this material and I expect you to be an active participant, as such your attendance will be noted.

## **Assignments/Homework:**

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You will have graded assignments each week. In general, reading assignments are to be completed before the next lecture and Assignments are to be completed by the due date. *All homework will be submitted via CANVAS. Late assignments will not be accepted, the CANVAS dropbox will close as scheduled and the assignment will be graded as a zero (0). Emailed assignments will be deleted unless an appropriate discussion is included within the email.*

Assignments will require a written discussion and/or documentation. Written material is required to be in digital form. All written assignments must be submitted as a Microsoft Word compatible document (either .doc or .docx) or an OpenOffice/LibreOffice compatible document (.odt) or the Adobe portable document file (pdf). All other file formats are not acceptable and will be graded as a 0 (zero) unless otherwise pre-approved.

## **Laboratory:**

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The laboratory for this course is in Moln D129. You will have access to the lab via your Ranger Card. It is your responsibility to insure that you have access. Labs will be graded in a complete/incomplete manner and must typically be done on the day assigned.

- Once you've completed a lab, let me know so that I have the chance to check your work and mark that you've completed it. I may at times require that you redo a portion of the lab in order to mark it as complete. If you choose not to, partial points will be awarded as I see fit.
- There is little reason why everyone shouldn't be able to get 100% of the points on labs, assuming you are there to do them. Make up labs are not typically allowed.

## Quizzes:

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Every week, there will be a quiz. Quizzes will be in CANVAS and comprised of questions, taken from the sample quizzes, readings, lecture, laboratory, and assignment material. This quiz is to be completed before the due date shown in the schedule. Quizzes cannot be “made-up”. If you miss a quiz without prior approval by the instructor, you will receive a grade of 0 (zero). NO EXCEPTIONS! The format for the quizzes are multiple choice, fill-in-the-blanks or true/false questions. Each quiz will test the material covered the previous week. The individual weight of each quiz score may be adjusted by the instructor at the instructor’s discretion.

## Examinations:

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There will be 3 exams approximately one 1/3 of the way through the class, one 2/3 of the way through the class, and a final exam conducted during final exam period.

*Exams cannot be “made-up”.* If you miss an exam without prior approval by the instructor, you will receive a grade of 0 (zero). If you miss the exam due to an emergency, you must provide *written documentation* supporting your emergency claim in order to be excused. If you are excused for an exam absence, *the exam must be made up before the exam is discussed in class*; this is usually the next lecture period. You lose the right to take the exam if you do not make arrangements to make-up the exam before the next class period. The schedule has the exact dates for the exams.

## Grading

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### Accomplishment Level:

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Your level of accomplishment will be recognized at the end of the course with a letter grade. Individual accomplishment is measured against course standards and not against the performance of other students.

### Grading Scale:

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|----------------------|----------------------|----------------------|----------------------|
| 100 – 93.0% .....A   | 86.5 – 83.3% .....B  | 76.5 – 73.3% .....C  | 66.5 – 63.3% .....D  |
| 92.9 – 90.0% .....A- | 83.2 – 80.0% .....B- | 73.2 – 70.0% .....C- | 63.2 – 60.0% .....D- |
| 89.9 – 86.6% .....B+ | 79.9 – 76.6% .....C+ | 69.9 – 66.6% .....D+ | 59.99 - 0% .....F    |

The weights assigned to course assessments are as follows:

|                           |      |
|---------------------------|------|
| Class Participation ..... | 10%  |
| Homework .....            | 30%  |
| Labs.....                 | 20%  |
| Quizzes in CANVAS.....    | 15%  |
| Exams .....               | 25%  |
| Total.....                | 100% |

### Point Scores:

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Your final grade will be determined as a weighted average of your averages for assignments and exams. The weighting distribution is described in “Weighting Distribution” above. Each of the averages

that are used for the weighted average is calculated as: for each section number of points earned / total number of points x percentage of that section summed.

CANVAS always has your current point totals. Please see your instructor with questions. In general, grade requests cannot be answered via email due to privacy concerns.

### Extra Credit:

There are ample opportunities for you to perform well with the assigned activities. Complete all of your work early and completely. An instructor may (or may not) offer class opportunities for extra credit at their discretion. At **no time** will *special arrangements* be made for extra credit for improving individual grades.

### Cheating:

- All homework, exams, and quizzes assigned in this class are individual assignments.
- All individual work assigned to you in this class is to be completed **only** by you. It is not acceptable for you to copy answers from other people or have other people write part or all of your answers for you. However, it IS acceptable (and encouraged!) for students to help one another understand the assignment requirements, and to help one understand the processes and methods in exercises. In short, do your own work, but feel free to help each other understand the assignment and its requirements.
- The class policy on cheating is simple: If your work is turned in by another student, or if you turn in the work of another person or persons (local or not), all students involved will receive a zero on that assignment unless additional information comes to light. Should you cheat again, I will fail you for the semester and file the appropriate paperwork with the Dean of Student's Office. I take academic dishonesty very seriously, as you should be able to tell; I expect you to take it just as seriously.

For your convenience, here is the UW System definition of academic misconduct (from UWS 14.03, <http://uwp.edu/staff/gov/adminplcy/policy28.htm>), which is the one followed at Parkside:

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*Academic misconduct is an act in which a student:*

- (a) seeks to claim credit for the work or efforts of another without authorization or citation;*
- (b) uses unauthorized materials or fabricated data in any academic exercise;*
- (c) forges or falsifies academic documents or records;*
- (d) intentionally impedes or damages the academic work of others;*
- (e) engages in conduct aimed at making false representation of a student's academic performance;*
- (f) assists other students in any of these acts.*

*Examples of academic misconduct include, but are not limited to: cheating on an examination; collaborating with others in work to be presented contrary to the stated rules of the course; submitting a paper or assignment as one's own work when a part or all of the paper or assignment is the work of another; submitting a paper or assignment that contains ideas or research of others without appropriately identifying the sources of those ideas; stealing examinations or course materials; submitting, if contrary to the rules of a course, work previously presented in another course; tampering with the laboratory experiment or computer program of another student; knowingly and intentionally assisting another student in any of the above - including assistance in an arrangement whereby any work, classroom performance, examination or other activity is submitted or performed by a person other than the student under whose name the work is submitted or performed.*

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The bottom line: Do your own work. If you have any doubts, please talk to me -- **before** you do anything you might regret.

## Academic Support

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### **Instructor:**

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I am available for one-on-one and small group questions by appointment and based on availability. Feel free to make an appointment. Please keep in mind that I will not just hand you solutions; I will make you work for them.

### **Study Groups:**

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While there are no formal mechanisms for creating study groups on campus, learning and studying with your peers can be a very beneficial relationship. The library or SEG Center offers many areas where groups could meet. Ask your classmates and make a new friend.

## Course Policies

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### **Attendance:**

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Attendance to the class sessions is strongly encouraged and hence is included in your final grade. You are responsible for **all** material covered in class and assigned to you. If you must miss a day, it is your responsibility to get the notes and assignments for that day from a classmate or from CANVAS. All deadlines and due dates remain in effect as if you were present in the class. Classroom attendance points cannot be made-up. Labs may or may not be able to be made up at the instructor's discretion. Each of the labs requires a different configuration and support and a decision on whether a specific lab can be made up will be determined on a lab-by-lab basis.

### **Computer Lab Facilities:**

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Moln D129 will be the primary lab for this class. It contains an area with specialized hardware and equipment needed for this class. It is intended for the students in MIS 327 **only** and is to be used only as directed. Any other use and/or misuse will be treated as academic dishonesty and treated as such. (See section on cheating.)

### **Grading Questions:**

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If you have a question about a grade, you should see me **within one week** of the day the graded work is returned to you (via CANVAS). *You lose the right to re-grading after that.*

### **Cell phones and Other Devices:**

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Please silence electronic devices during class to avoid disturbing your fellow classmates or the instructor. I find it distracting and quite frankly rude (as I'm sure other students do). If you must use the device for other activities, voice, or text, please leave the classroom or lab and go to a place that will not disturb other students. I reserve the right to ask you to leave the class if I believe you are using your devices for activities not related to this class.

### **Food and Drink in Class:**

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Beverages and food are allowed in class as long as I do not have clean up after you. This is a privilege that I will revoke if there is an issue. Please practice a "carry in – carry out" policy.

# Campus Policies

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## **UW-Parkside Late Drop Policy:**

If you find yourself thinking about dropping this class, be sure to talk with me first. If you still want to drop, be sure to do so before the "drop or withdraw from a class" deadlines found from the Registrar's office.

## **Grades of 'Incomplete':**

The University's course catalog contains all of the details about incompletes, but here's the key point: To qualify for an incomplete, a student must have maintained a passing grade for the class until the term is nearly complete, and then, due to an unusual and substantiated cause beyond the student's control, the student is unable to complete the final exam or some small amount of class work. In short, you can't get an "I" just because you are not happy with your grade.

## **Accommodations for Religious Observations:**

Policies require reasonable accommodation for a student's religious beliefs. *Please notify your instructor within the first two weeks of classes* about any scheduled class date that conflicts with a religious observance.

## **Accommodations for Athletes:**

*Please notify your instructor within two weeks of any scheduled class date that conflicts with a scheduled travel date along with the coach's letter listing your name.*

## **Students with Disabilities:**

Students with disabilities who believe that they may need accommodations in this class are encouraged to contact the Disability Services Coordinator from the Office of Educational Support Services (WYLL D175, 595-2372) and see me as soon as possible, to better ensure that such accommodations are implemented in a timely fashion.

Under the guidelines of the Rehabilitation Act of 1973 and the Americans with Disability Act of 1990, students are obligated to notify the school that they need accommodation.

## **Smoking:**

Smoking is not allowed on campus per UWP Policy 37 and that includes electronic cigarettes.

## **Weapons:**

Weapons are prohibited in UW-Parkside buildings and all outdoor events. Anyone found in violation will be subject to immediate removal in addition to academic and/or legal sanctions. If you have a concern regarding weapons at this university, please contact University Police (595-2455).

## **Caveat:**

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*The instructor reserves the right to modify this syllabus at any time, as deemed necessary and will post to CANVAS.*