University of Minnesota College of Pharmacy

Phar 6768: Infectious Diseases
3 Credits
Course Syllabus FALL 2019
Course Website: https://canvas.umn.edu/courses/140109

Class Meeting Times & Locations

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>TC room</th>
<th>Duluth room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday</td>
<td>10:10am-12:05pm</td>
<td>WDH 7-135</td>
<td>Lib 410</td>
</tr>
<tr>
<td>Friday</td>
<td>10:10am-12:05pm</td>
<td>WDH 7-135</td>
<td>Lib 410</td>
</tr>
</tbody>
</table>

Technology Help
Phone: 612-301-4357 (TC)  Email: help@umn.edu
Phone: 218-726-8847 (Dul)  Email: itsshelp@d.umn.edu

This course adheres to the items listed in the College of Pharmacy Central Syllabus: http://z.umn.edu/copcentralsyllabus

Fall Semester 2019
August 28, 2019-December 13, 2019
Phar 6768: Infectious Diseases (3 Credits)  
FALL SEMESTER 2019

Course Directors: Elizabeth Hirsch, PharmD  
Assistant Professor  
Department of Experimental and Clinical Pharmacology  
University of Minnesota College of Pharmacy-TC  
4-212 McGuire Translational Research Facility  
2001 6th St. SE  
Minneapolis, MN 55455  
Phone: 612-626-4388  
E-mail (preferred): ebhirsch@umn.edu  
Office hours: By appointment

Paul Ranelli, PhD, MS  
Professor  
Department of Pharmacy Practice and Pharmaceutical Sciences  
University of Minnesota College of Pharmacy-Duluth  
232 Life Science  
1110 Kirby Dr  
Duluth, MN 55812-3003  
Phone: 218-726-6009  
E-mail (preferred): pranelli@d.umn.edu  
Office hours: By appointment

Course Website: Available for all registered students by logging into: www.canvas.umn.edu

<table>
<thead>
<tr>
<th>Course Instructors</th>
</tr>
</thead>
</table>
| **Courtney Aldrich, PhD**  
Professor  
Department of Medicinal Chemistry  
University of Minnesota College of Pharmacy-TC  
Email: aldrich015@umn.edu |
| **Heather Blue, PharmD, BCPS, BCGP**  
Assistant Professor  
Department of Pharmacy Practice and Pharmaceutical Sciences  
University of Minnesota College of Pharmacy-Duluth  
E-mail: hblue@d.umn.edu |
| **Kimberly Boeser, PharmD, MPH, BCPS (AQ-ID)**  
Infectious Diseases Clinical Pharmacist  
Antimicrobial Stewardship Coordinator  
Residency Program Director-PGY2 Infectious Diseases  
UMMC-Fairview Health Services  
Email: kvarejc1@fairview.org |
| **Barry Finzel, PhD**  
Professor  
Department of Medicinal Chemistry  
University of Minnesota College of Pharmacy-TC  
Email: finzel007@umn.edu |
| **George Konstantinides, PharmD, BCPS, AAHIVP**  
Ambulatory Care Pharmacist  
Residency Program Director: PGY1 Ambulatory Care  
Hennepin Healthcare  
Department of Pharmacy  
Email: George.Konstantinides@hcmid.org |
| **Jocelyn Mason, PharmD**  
Antimicrobial Stewardship & Infectious Diseases Pharmacist  
UMMC-Fairview Health Services  
Email: Jmason5@fairview.org |

PHAR 6768 Infectious Diseases Syllabus – University of Minnesota College of Pharmacy – Fall 2019; last updated 8/21/19
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## DETAILED COURSE SCHEDULE
For a detailed course outline and schedule, see the course canvas site (see link on cover page). While all attempts will be made to minimize changes, this schedule is subject to change throughout the semester as needed. Any schedule changes will be announced during class or via email.

## COURSE COMMUNICATIONS
There will be frequent communication through announcements in class, and via the course Canvas site about course administrative issues. Please verify your Canvas account is set to “Notify me right away” for announcement notification preferences. Otherwise make sure to check both the website and your email daily. If you are not in class, please get communications from a classmate. For personal questions or issues, please email the course directors directly.

## COURSE CLINICAL FORUM/DISCUSSION BOARD
Please use the “Clinical Forum/Discussion Board” to post any content-related questions and/or answers you may have. You should subscribe to this forum to receive emails each time a new post is made in the forum. This board is to be utilized:

1. As a way for students to share ideas and help each other learn. It will be monitored intermittently by course faculty for potential input into discussions as well.
2. As a way for students to ask questions regarding administrative questions and/or requests related to the course. It will be monitored daily by one of our TAs. For personal questions or issues, please email the course directors directly.

<table>
<thead>
<tr>
<th>Melanie Nicol, PharmD, PhD</th>
<th>John Rotschafer, PharmD, FCCP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assistant Professor</td>
<td>Professor</td>
</tr>
<tr>
<td>Department of Experimental and Clinical Pharmacology</td>
<td>Department of Experimental and Clinical Pharmacology</td>
</tr>
<tr>
<td>University of Minnesota College of Pharmacy-TC</td>
<td>University of Minnesota College of Pharmacy-TC</td>
</tr>
<tr>
<td>Email: <a href="mailto:mnicol@umn.edu">mnicol@umn.edu</a></td>
<td>Email: <a href="mailto:rotsc001@umn.edu">rotsc001@umn.edu</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Teaching Assistants-Graduate Student TAs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dan Dauner, PharmD, MSPH, BCPS-AQ ID (D)</td>
</tr>
<tr>
<td>Social and Administrative Pharmacy graduate program</td>
</tr>
<tr>
<td>Email: <a href="mailto:ddauner@d.umn.edu">ddauner@d.umn.edu</a></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Alyssa Lantz, BS (TC)</td>
</tr>
<tr>
<td>Experimental and Clinical Pharmacology graduate program</td>
</tr>
<tr>
<td>Email: <a href="mailto:lantz064@umn.edu">lantz064@umn.edu</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Teaching Assistants-Postdoctoral Associates and Pharmacy Residents (PGY2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Akshith Dass, PharmD (TC)</td>
</tr>
<tr>
<td>PGY2 Infectious Diseases Resident</td>
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<tr>
<td>UMMC-Fairview Health Services</td>
</tr>
<tr>
<td>Email: <a href="mailto:adass2@fairview.org">adass2@fairview.org</a></td>
</tr>
<tr>
<td>Kendall Donohoe, PharmD (TC)</td>
</tr>
<tr>
<td>PGY2 Infectious Diseases Resident</td>
</tr>
<tr>
<td>UMMC-Fairview Health Services</td>
</tr>
<tr>
<td>Email: <a href="mailto:kdonoho2@fairview.org">kdonoho2@fairview.org</a></td>
</tr>
<tr>
<td>Prosperity Eneh, PharmD, MS (TC)</td>
</tr>
<tr>
<td>Postdoctoral Associate/Teaching consultant</td>
</tr>
<tr>
<td>University of Minnesota College of Pharmacy-TC</td>
</tr>
<tr>
<td>Email: <a href="mailto:enehx003@umn.edu">enehx003@umn.edu</a></td>
</tr>
<tr>
<td>Melissa Gamble, PharmD (D)</td>
</tr>
<tr>
<td>PGY2 Oncology Pharmacy Resident</td>
</tr>
<tr>
<td>St. Luke’s Hospital</td>
</tr>
<tr>
<td>Email: <a href="mailto:Melissa.Gamble@slhduluth.com">Melissa.Gamble@slhduluth.com</a></td>
</tr>
<tr>
<td>Youchan Song, PharmD (TC)</td>
</tr>
<tr>
<td>PGY2 Infectious Diseases Resident</td>
</tr>
<tr>
<td>Abbott Northwestern Hospital</td>
</tr>
<tr>
<td>Email: <a href="mailto:YouChan.Song@allina.com">YouChan.Song@allina.com</a></td>
</tr>
<tr>
<td>Sakina Zaheer (D)</td>
</tr>
<tr>
<td>PGY2 Pharmacotherapy Resident</td>
</tr>
<tr>
<td>St. Luke’s Hospital</td>
</tr>
<tr>
<td>Email: <a href="mailto:Sakina.zaheer@slhduluth.com">Sakina.zaheer@slhduluth.com</a></td>
</tr>
</tbody>
</table>
COMPUTER / TECHNOLOGY REQUIREMENTS
The University of Minnesota computer requirements are listed here:
• Canvas: This course will use Canvas to distribute resources and host course information. See Canvas setup requirements at http://www1.umn.edu/Canvas/start/technical.html.
• Internet-enabled device capable of accessing Canvas and ParticiPoll (computer, tablet, etc.)

OVERVIEW OF THE COURSE
Course content:
The Infectious Diseases course will focus on the pharmacology, medicinal chemistry, pharmacokinetics and pharmacodynamics of antibiotics, and the pharmacotherapy of infectious diseases. The purpose of this course is to prepare students to approach patients with potential or confirmed infectious diseases, interpret diagnostics used to rule-in or rule-out infection, and understand/utilize antibiotic stewardship principles. Students will be expected to implement and monitor pharmacotherapeutic plans associated with the treatment of acute and chronic infections. Knowledge gained in this course will prepare students for future patient care of patients with suspected or confirmed infection.

Course format:
The format of this course will combine lecture-based teaching with team-based learning (TBL) sessions and case-based application of concepts. Frequent assessments will be administered to help reinforce course concepts.

PREREQUISITES:
Students must have satisfactorily completed all work appropriate for a PD3 student.

COURSE REQUIREMENTS
Pedagogical goals and tools:
One of the hallmarks of being a professional is a dedication to life-long learning. To promote life-long learning, we expect you to actively participate in your own education while in the College of Pharmacy. In order to be successful in this course you need to:

• Come prepared to class:
  o Watch pre-recorded presentations assigned and be prepared to answer questions
  o Complete assigned readings prior to class
  o Be prepared for quizzes and exams
  o Be prepared for active team-based learning activities
• Bring your internet-enabled device to class each day to facilitate Canvas quizzes and ParticiPoll
• Participate in class
  o Contribute to solving patient cases which will be presented during lectures
  o Prepare for and participate in Team Based Learning (TBL) exercises
• Seek help when you need it

COURSE MATERIALS
Required texts/readings:
• National HIV Curriculum (NHC). Available via e-platform at https://www.hiv.uw.edu/
*See the detailed course schedule for required course modules and selected topics.
Recommended texts/readings:
Students are urged to review any assigned readings prior to class to aid in the understanding of lecture material. Questions from the required readings may be included in course examinations (in addition to lecture and handout material). Recommended reading and/or reference material will be specified by individual lecturers and could include chapters from:

- Foye’s Principles of Medicinal Chemistry (7th edition); available as e-text

Canvas E-course handouts and materials:
Course notes and materials will be provided in electronic formats wherever possible through the Canvas course site. Whenever possible, the materials will be posted one week prior to a lecture, or earlier if available. Please review materials posted in advance of the class period to ensure preparedness for the upcoming week and class activity and scheduled in class quizzes. Physical copies of course materials will not be available for purchase in the bookstore.

### COURSE GOALS & LEARNING OBJECTIVES

<table>
<thead>
<tr>
<th>At the conclusion of the course, students will be able to:</th>
<th>Applicable Domain(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Describe the role of a pharmacist in the prevention and treatment of infectious diseases and communicate appropriate information to healthcare professionals and patients.</td>
<td>Domain 3: Health Systems Management Domain 4: Leadership and Engagement Domain 5: Professional and Interprofessional Development</td>
</tr>
<tr>
<td>2. Identify, describe and classify drugs used to treat human infectious diseases (antibacterial, antiviral, antifungals, antiparasitic), including the mechanism of action, pharmacokinetics, drug interactions and appropriate dosing.</td>
<td>Domain 1: Patient-Centered Care Domain 6: Knowledge, Scientific Inquiry, and Scholarly Thinking</td>
</tr>
<tr>
<td>3. Select an appropriate agent (and alternative agents) based on pharmacokinetics; optimally formulate and dose; evaluate drug resistance and pharmacodynamic interaction with the microorganism.</td>
<td>Domain 1: Patient-Centered Care Domain 3: Health Systems Management Domain 6: Knowledge, Scientific Inquiry, and Scholarly Thinking</td>
</tr>
</tbody>
</table>

### ASSESSMENTS AND GRADING

**PHAR 6768 overall course grade:**
The overall course grade will be determined by the results of 6 online Canvas exams, National HIV Curriculum quizzes, 4 team-based learning (TBL) activities, 2 Bugs and Drugs chart assignments, and 3 in-class multiple choice exams (2 midterms and 1 final exam).
Assignment due dates and exam dates:
All assignment due dates and exam dates will not be changed from those printed in the course schedule. Should the University be closed due to an unforeseen event, the assignment due date or exam will be rescheduled.

Note: Late work will not be accepted if a student has technical difficulties and all avenues of technical support to correct the problem were not attempted. Make-up exams for students who overlooked the due date and/or time will not be granted.

Online Canvas exams:
Six on-line, open resource Canvas exams will be given via Canvas. Each online exam will assess material covered from the class periods indicated next to the Canvas Exam as designated in the course schedule. Students will have access to the Exam for 75 minutes over a 48-hour period during the dates noted on the course schedule. The exam can be taken any time within that 48-hour period; however, once the online exam is opened there will be 75 minutes to complete it. The standard make-up policy will apply to all exams. Although the online exams are open-resource, they are not group projects. Thorough study of the material for each Online Canvas Exam is strongly encouraged as it will prepare you for the in-class, closed resource midterms and final exam. Each student is expected to take the online exams independently and submit their own work. Each student is responsible for ensuring that they are appropriately logged into the course website when taking assigned exams. The Canvas exam (n = 6) scores will be averaged and the overall average score will comprise 22.5% of the total course grade (see assessment point value breakdown for more details).

National HIV curriculum modules:
Students will have access to the entire National HIV Curriculum online and can create an account to track progress through the curriculum if desired. However, a group will be created for this class and students are expected to accept the invitation to be in this group. Five topics will be assigned via the NHC site for students to review at home. Completion of the assigned modules is required and will be tracked. A post-completion quiz for each topic with an 80% passing rate is also required to receive credit for completion. Students can attempt the quizzes multiple times to achieve the 80% needed. Failure to complete the assigned topics prior to the due date will result in no credit for each topic missed. Each student is expected to take the online quizzes independently. This activity will account for 2.5% of the total course grade.

Technical support for online exams:
If you require assistance please take the following steps: Step 1: Visit the technical support website http://umn.edu/Canvas to troubleshoot your problem through self-help pages. Step 2: If your problem cannot be solved with self-help, call the One Help desk at 218-726-8847 in Duluth or 612-301-4357 in TC. Following these steps will ensure that you get the assistance that you need in a timely manner. Please do not hesitate to contact Tech Support. They are there to help! If you have technical difficulties during an online quiz, or if you are uncertain your quiz submitted properly, email the course director immediately, including your chosen answers for the quiz questions.

Team Based Learning (TBL):
Each of the TBL sessions will be structured as an iRAT quiz where students respond individually as a Canvas quiz, followed by a tRAT quiz that the table team answers collectively using scratch-offs. The iRAT and tRAT portion of the activity will be followed by a team-based learning application exercise. The iRAT will count for 33% of each TBL grade, the tRAT will count for 33% of each TBL grade, and the graded application exercise will count for the remaining 33% of each TBL session. Four TBL sessions will comprise 10% of the final course grade. TBL sessions are intended to be an active learning experience, thus students must be present and in class to earn a TBL grade. Working remotely does not demonstrate professionalism and will not be awarded credit. Further, iRAT credit is not available to students who do not complete an iRAT. Students are responsible for bringing all items needed to complete the readiness assessments (this may include clickers, computers, tablets, phones, batteries, etc.). Students without a working device will not be awarded credit - paper and/or verbal answers will not be accepted.
• TBL Absentee policy: The iRATs will start on time - questions missed due to tardiness will be forfeited. If a student receives a 0 for the iRAT a 0 will also be awarded for the TRAT. In the event of an excused absence, students will receive the class average for the iRAT and the TBL team’s TRAT and graded application exercise score for their first excused absence. Any excused TBL session absences after the first will result in students receiving 50% of the class average for the iRAT and 50% of the team’s TRAT and graded application exercise scores.

• TRAT Appeals process: If, after team discussion, your team does not agree with an answer to an iRAT/TRAT question, your team may make an appeal to challenge this answer. The appeal must be submitted to the course directors by email prior to any large group discussion of TRAT questions. The course directors will forward the appeal to the content expert for review and judgment on the appeal. Only teams with appeals will be granted credit for successful appeals.

Bugs and Drugs chart assignment:
Students will be given a blank Bugs and Drugs chart at the beginning of the course. To facilitate synthesis and review of agents learned during the course, this chart should be filled out longitudinally during the course. An electronic copy of the chart (either typed or written by hand) should be turned in by each due date specified in the course schedule. Students are permitted to work in groups to fill out the chart. This assignment will be graded as ‘all or nothing’ ie., full points (each portion worth 2.5% of final grade) will be awarded if each assignment is turned in. If a student fails to turn in either assignment by the due date, no points will be awarded.

1. Submit as a PDF document only.
2. Keep a copy of this chart to use for your own reference/studying as it will be useful during APPE rotations.

Mid-term exams*:
Two in-class, mid-term exams will each contribute 20% toward the overall course grade. These exams will not be graded on a curve. The use of electronic devices such as Palm, other PDA, pocket computers, programmable calculators, and other devices with electronic databases is not permitted during the exam unless specified by the course faculty administering the exam. Analysis of composite class response for all questions will be conducted prior to releasing the grades.

Final Exam*:
An in-class final exam will contribute 20% toward the overall course grade. This exam will not be graded on a curve. The use of electronic devices such as Palm, other PDA, pocket computers, programmable calculators, and other devices with electronic data bases is not permitted during the exam unless specified by the course faculty administering the exam. Analysis of composite class response for all questions will be conducted prior to releasing the grades.

*Exam policy
Exams will not be returned to students. Faculty will, however, facilitate the student's ability to view their exams at some point either during or outside of class time. This will be your only chance to comprehensively review your exam. If you have extenuating circumstances, you may schedule an appointment with the instructing faculty or teaching assistants to review any of your exams. Grades will NOT be given out over the telephone or by email.

Missing Grades and/or Grade Discrepancies:
Students are responsible for checking the Canvas gradebook for missing grades and/or grade discrepancies. If a potential inaccuracy is identified students have one week from the day/time the grade is posted to notify the course director. After 1 week requests to change grades will not be honored.
Make-up policy for examinations, quizzes, etc.:
Please note MAKE-UP EXAMINATIONS WILL NOT BE OFFERED EXCEPT UNDER THE FOLLOWING CIRCUMSTANCES: illness, verified by a licensed professional; a family emergency, verified by the professional in attendance; or a University-sponsored event, verified by the sponsoring organization. Additional circumstances will be considered at the discretion of the course directors, but are not likely to be granted. If a student is unable to attend the scheduled exam, the relevant instructor must be notified (by email AND phone) at least 24 hours in advance of the exam time (where possible). If you do not receive a reply to your request prior to the exam time, please do NOT assume that your request has been granted; contact us again to confirm that your request was received and processed. If an acceptable circumstance or adequate documentation is not provided, a grade of zero on the exam will be assigned. Unless there are extenuating circumstances, students must contact the course directors within 24 hours of the missed exam in order to be considered for a make-up. Depending on the circumstances, the make-up exam date will not be more than one week after the original exam date and if possible, will occur before the original exam date.

Final grade:
The final grade for the course will be determined according to the formula defined in the table below. Common rounding rules will be applied when determining the final grade ONLY (as per Microsoft Excel® where 0.5 and higher values are rounded up).

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Point Value (n x points)</th>
<th>% of Final Grade</th>
<th>Minimum Passing Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>● 6 On Line Canvas Exams (6-8 lecture hours each)</td>
<td>Average score of 6 exams X 25%</td>
<td>22.5%</td>
<td></td>
</tr>
<tr>
<td>● 5 NHC online quizzes</td>
<td>5 X 0.5%</td>
<td>2.5%</td>
<td></td>
</tr>
<tr>
<td>● Exam 1</td>
<td>1 X 20%</td>
<td>20%</td>
<td></td>
</tr>
<tr>
<td>● Exam 2</td>
<td>1 X 20%</td>
<td>20%</td>
<td></td>
</tr>
<tr>
<td>● Final exam</td>
<td>1 X 20%</td>
<td>20%</td>
<td></td>
</tr>
<tr>
<td>● 4 TBL sessions</td>
<td>4 X 2.5%</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>● Bugs and drugs chart assignment (2 parts)</td>
<td>2 X 2.5%</td>
<td>5%</td>
<td></td>
</tr>
<tr>
<td>● Final Grade</td>
<td>100</td>
<td>100%</td>
<td>≥60%</td>
</tr>
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</table>

Regrade Policy: Only written regrade requests will be considered. If you would like to submit a question/s for regrade, you need to email your request directly to the course directors and to the instructor who wrote the question/assessment, with information that details the question number and reasons why you feel your answer is correct within 48 hours from the day/time of any answers being posted.

Course letter grades:

<table>
<thead>
<tr>
<th>Grade</th>
<th>A</th>
<th>A-</th>
<th>B+</th>
<th>B</th>
<th>B-</th>
<th>C+</th>
<th>C</th>
<th>C-</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>%</td>
<td>100-93</td>
<td>92-90</td>
<td>89-87</td>
<td>86-83</td>
<td>82-80</td>
<td>79-77</td>
<td>76-73</td>
<td>72-70</td>
<td>69-60</td>
<td>59-0</td>
</tr>
</tbody>
</table>

Minimum Passing Level
As per the Academic Standing Committee Policy, students who receive a grade below D in this course must successfully repeat the course before advancing to 4th year courses.
DISABILITY ACCOMMODATIONS:
Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who
needs to arrange accommodations must contact the course director within the first week of the course.
Students who do not present documentation from Disability Services a minimum of one week before an
assessment will adhere to original/traditional expectations for that assessment.
Please contact Disability Services to quantify and arrange the necessary accommodations:

Twin Cities: http://ds.umn.edu/ 612-626-1333
Duluth: http://www.d.umn.edu/access/ 218-726-8217

All discussions concerning this issue will remain confidential. English as a second language is not
considered a disability by the College of Pharmacy and this course will not accommodate requests for
additional exam time based on this criterion.

HONOR CODE AND CLASSROOM ETIQUETTE:
Each student is bound by the honor code which defines academic misconduct as any unauthorized act
which may give a student an unfair advantage over other students, including but not limited to:
falsification, plagiarism, misuse of test materials, receiving unauthorized assistance and giving
unauthorized assistance. Specifically, each student will be required to do their own work on all quizzes
(online or written), tests, extra credit assignments, oral and written exams unless otherwise advised by
the course instructors. For exams or other assessments that are not returned to students by the
instructors, it will be considered a “misuse of test materials” and therefore a violation of the honor code to
copy, scan, photograph or otherwise re-construct such assessment content.

You signed the following statement upon accepting placement in the University of Minnesota College of
Pharmacy: “I hereby affirm that I have read and understood the provisions and stipulations of the
University of Minnesota Pharmacy Student Code of Ethical Responsibility and Professional Behavior.”

The Code was established in the belief that central to any intellectual and professional endeavor is an
atmosphere of mutual trust and respect, based on individual maintenance of community standards. Your
professional community starts here at the College of Pharmacy with your peers, faculty, preceptors, staff
and administrators. It is our expectation that you will exhibit professional behavior towards other students
and to faculty in the classroom at all times. In turn, we will treat you with the professional respect you
deserve.

COURSE/FACULTY EVALUATION:
Students will have an opportunity to complete online course evaluations for course instructors as well as
the overall course. We value your opinion. It’s our intention to provide a good backdrop for educational
and professional development. To accomplish this it is vital that our students provide us with constructive
assessment of our progress so far.

RECORDING POLICY:

For information relevant to the recording policy for this course, please refer to the following link: