

- To develop a basic knowledge of immunological terms and concepts
- To encourage students to approach immunological questions from both a basic science and a clinical (human disease) perspective
- To learn about both historically significant and recent advancements/problems in the field of immunology
- To develop the skills needed to critically evaluate and understand topics related to immune function

Course Learning Outcomes

By the end of this course, students will be able to:

- Describe the characteristics and functions of innate and adaptive immunity
- Understand how immune receptors are generated and how these molecules recognize pathogens
- Develop an understanding of how new pathogens “emerge” and evade the immune system
- Compare and contrast various immune effector mechanisms for the clearance of pathogens
- Understand the consequences of an insufficient or inappropriate immune response
- Understand the concepts and effects of medical interventions such as vaccination and immunotherapy
- Develop a comprehensive understanding of basic laboratory and clinical immune assays
- Identify, understand, extract and synthesis critical information from current literature

Transferable Skill Development:

Many of the skills and abilities that you are developing in your coursework are transferable to the workforce, graduate and professional studies and other facets of life. Employers seek applicants with transferable skills because they can be an asset in the workplace, regardless of industry or sector. Transferable skills are core skills for your success in building your future career.

The work that you will do in MDSC321 will help you build the following transferable skills:

- **Collaboration:** Work respectfully with others from different backgrounds, cultures, and countries.
- **Creativity and Innovation:** Find different and better ways to do things, being curious, thinking imaginatively.
- **Critical Thinking:** Actively and skillfully conceptualize, apply, analyze, synthesize, and/or evaluate information (data, facts, observable phenomena, and research findings) to make a reasoned judgement or draw a reasonable conclusion.
- **Information Literacy:** Find, understand, and use information presented through words, symbols, and images
- **Problem solving:** Identify an issue, find and implement a solution, and assess whether the situation has improved.
- **Project Management:** Conceptualize, initiate, plan and execute a plan to achieve a predetermined goal (project) by effectively prioritizing activities and meeting deadlines.
- **Written Communication:** Share ideas and information by using words, images, and symbols.

Learning Resources

Murphy, et al. *Janeway's Immunobiology 10th* edition 2016, Garland Science

Recommended Textbooks/Readings

Kindt, et al. *Kuby Immunology. 7th Edition 2013. W.H. Freeman & Co.*

Learning Technology Requirements

Brightspace (by D2L) is located on the University of Calgary server and will be used extensively for communication with students. **It is the student's responsibility to ensure that they receive all posted communications and documents and that they receive emails sent by instructors or fellow students through D2L.** Only your @ucalgary.ca email address may be linked to D2L. Please ensure that you are regularly checking your @ucalgary.ca account.

Evaluation

The University policy on grading and related matters is described in section F of the 2023-2024 Calendar.

In determining the overall grade in the course, the following weights will be used:

Midterm Exam I	20 %
Midterm Exam II	20 %
Small Group Report	25 %
Final Exam	35 %

**** MIDTERM EXAMS** – These are closed book exams. This exam will be scheduled for 1h and will be held, in-class. These exams will consist of a mix of multiple choice, fill-in-the-blank, short answer (1-2 sentences) and short answer type questions (1-2 paragraphs).

**** SMALL GROUP REPORT** - This assignment will take place throughout the term and will culminate in a written report submitted to the course coordinator. This report will be 8-10 pages, double-spaced, in length and will need to be appropriately referenced (references and pertinent figures will be in addition to the 10-page (maximum) report). Students will be assigned to small groups in week 3 of the semester and will be responsible for completing the assignment by the end the lecture schedule. Changes to these groups will only be made by the course coordinator and only under exceptional circumstances (i.e. group member(s) withdrawing from the course). These assigned groups are designed to get students from various backgrounds working together, bringing together various points of view.

The small group report is designed to encourage the students to choose a topic of interest from one of three special focus areas that will be covered in the lecture schedule. The students are free to choose any aspect of immunology from one of these special focus areas and will further their knowledge beyond the scope of the lecture material (i.e. new frontiers in immunology, the

impact of specific advances on society as a whole, the impact of a changing society/climate on immunological challenges).

These special focus topics form the basis of small interchangeable lecture blocks that will be presented as self-contained modules. These modules will allow for the lecture material to venture beyond the scope of the textbook. By incorporating material from other sources, we will be better able to demonstrate how immunology impacts and integrates into many aspects of society. Emphasis will be placed on how society perceives immunology and how advances in immunology will shape medical treatments and society as a whole.

The current course outline contains three special focus blocks; **1) Pandemics and Emerging Disease, 2) Vaccines, 3) Antibody Engineering and Therapies.**

All three special focus areas will be introduced in the first weeks of lectures to provide the students with an overview of the potential topics for further study. Students will then be encouraged to meet early and frequently with the course coordinator to discuss and define potential report topics and will be required to schedule a formal meeting with the course coordinator to finalize a report topic by **the end of the 9th week (Nov 3th)** of lectures. Additionally, three lecture slots have been reserved in-person check in and mentorship for group work. During these time slots, students are expected discuss progress with the instructor/TA. These virtual meetings allow the students direct access to the instructor and TA and will serve to keep the research projects progressing in accordance with expected timelines. During these three time slots, each group is required to meet with the instructor and an evaluation of these progress meetings will contribute towards the overall grade of the small group report. It is anticipated that an additional 10-12 hours of group study and preparation time would be required to produce a report worthy of a high grade.

Students will select a topic that corresponds to a special focus area but will be expected to expand their selected topic beyond the scope of the course text and lectures. Potential research topics might include;

Pandemics and Emerging Disease

- Critical review of the response to/ public perception of the recent H1N1 pandemic.
- Re-emerging diseases (polio, TB)
- Effect of climate change or population demographics on pathogen/disease distribution
- Linkage between developed societies and autoimmunity

Vaccines

- Compare/contrast vaccine strategies
- Public perception of vaccines (H1N1, MMR and Autism)
- Effect of vaccination on disease patterns (chicken pox and shingles)
- Vaccination and the development of the modern society (cities, population density, etc)

Antibody Engineering

- Development of therapeutic antibodies (successes and failures)
- Use of non-classical Ab structures from non-rodent/non-primate species
- Immunotoxins
- Antibody mediated immunomodulation

This small group report will require the students to search and access primary literature in addition to current press and historical information on their topic of interest. Part of the mark attributed to the written report will reflect how well the students utilize material external to what is covered in the course lectures.

As this component of the course requires a written report, please refer to the University's Writing Across the Curriculum statement at <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>.

Furthermore, as this assignment is a group task, the students will be asked to evaluate their working group peers. This mark, although small (5% of the overall course mark) represents a significant portion of the assignment mark (25%) and will help ensure all members in the group contribute to the final report. **Additionally, this peer review mark will be used to determine what percentage of the overall Small Group Report mark (In-class progress meetings and final report) each student receives (see below).**

Small Group Report Mark Breakdown (percentage of final course mark)

- **In-class Progress Meetings and Report Outline 5%** (mark assigned to all students in the group by the course coordinator)
- **Final Report 15%** (mark assigned to all students in the group by the course coordinator)
- **Peer Evaluation 5%** (Rubric is appended to the end of this course outline. The rubric scores student performance out of 20, a mark for each student will be averaged from the mark assigned by the other members of their group and scaled to be out of 5 (i.e. 16 out of 20 = 4). **NOTE: A peer evaluation of 0 will NOT be accepted as a mark unless concerns are expressed by the group prior to the report deadline (i.e. concerns must be raised with the TAs or the Instructor during one of the in class group work sessions)**)

If a student's peer evaluation mark is >2 they will receive 100% of the group assignment mark

If a student's peer evaluation mark is >1 and ≤2 they will receive 75% of the group mark

If a student's peer evaluation mark is >0 and ≤1 they will receive 50% of the group mark

If a student's peer evaluation mark is 0 they will receive 0% of the group mark

These small group reports are due by 5 pm on the final day of lecture, Dec 6th, 2023.

**** FINAL EXAM** - There will be a final exam scheduled by the Registrar's office. This exam will follow a similar format to the midterm exam. The final exam will be a closed book exam and will be scheduled for 2h. This exam will consist of a mix of multiple-choice questions and short essay type questions (3-4 paragraphs) drawn from a large question bank. The final exams will

be cumulative but will be focused on the material covered after the second midterm exam. Calculators are permitted if needed.

**** FINAL GRADES** - A student's final grade for the course is the sum of the separate assignments. It is not necessary to pass each assignment separately in order to pass the course.

A Note regarding Writing Assignments:

Writing skills are important to academic study in all disciplines. In keeping with the University of Calgary's emphasis on the importance of academic writing in student assignments (section E.2 of 2023-24 Calendar), writing is emphasized, and the grading thereof in determining a student's mark in this course. The Bachelor of Health Sciences values excellence in writing. Competence in writing entails skills in crafting logical, clear, coherent, non-redundant sentences, paragraphs and broader arguments, as well as skills with the mechanics of writing (grammar, spelling, punctuation). Sources used in research papers must be properly documented. The University of Calgary offers instructional services through the Students' Success Centre's Writing Support Services (<http://www.ucalgary.ca/writingsupport/>) for students seeking feedback on assignments or seeking to improve their general writing skills. Students are **strongly encouraged** to take advantage of these programs.

Grading Scheme:

Letter Grade	Description	Percentage
A+	Outstanding performance	96-100
A	Excellent performance	90-95.99
A-	Approaching excellent performance	85-89
B+	Exceeding good performance	80-84
B	Good performance	75-79
B-	Approaching good performance	70-74
C+	Exceeding satisfactory performance	65-69
C	Satisfactory performance	60-64
C-	Approaching satisfactory performance	57-59
D+	Marginal pass	54-56
D	Minimal pass	50-53
F	Does not meet course requirements	0-49

Missed Components of Term Work:

If assignments are submitted after the posted deadline, students will lose 5% per day late past the deadline for all assignments. In this case, assignments will **NOT** be accepted more than 72 hours after the posted deadline and students failing to submit any assignment within this time frame will receive a mark of zero. **There will be NO exceptions to this policy.**

*It is the agreement of all Faculty involved in MDSC 321 that **extensions will NOT be granted** on any assignment or quizzes. The only exceptions to this are those in keeping with the University*

Calendar (debilitating illness, religious conviction, or severe domestic affliction) that are received in writing and with supporting documentation. Traffic jams and late or full buses are common events in Calgary and are NOT acceptable reasons for late arrivals to class, meetings, and examinations. Please note that while absences are permitted for religious reasons, students are responsible for providing advance notice and adhering to other guidelines on this matter, as outlined in the University Calendar (<https://www.ucalgary.ca/pubs/calendar/current/e-4.html>).

Course Evaluations and Student Feedback

Student feedback will be sought at the end of the course through the Universal Student Rating of Instruction (USRI) and a qualitative student evaluation. Students are welcome to discuss the process and content of the course at any time with the instructor. Students may also address any concerns they may have with Dr. Fabiola Aparicio-Ting, Associate Dean (Undergraduate Health and Science Education) in the Cumming School of Medicine (eparic@ucalgary.ca).

Conduct During Lectures

The classroom should be respected as a safe place to share ideas without judgement - a community in which we can all learn from one another. Students are expected to frame their comments and questions to lecturers in respectful and appropriate language, always maintaining sensitivity towards the topic. Students, employees, and academic staff are also expected to demonstrate behaviour in class that promotes and maintains a positive and productive learning environment.

As members of the University community, students, employees and academic staff are expected to demonstrate conduct that is consistent with the University of Calgary Calendar, the Code of Conduct and Non-Academic Misconduct policy and procedures, which can be found at <https://www.ucalgary.ca/student-services/student-conduct/policy>.

Students are expected to take notes during class and should not rely solely on material supplied by the instructors.

Use of Internet and Electronic Communication Devices in Class

The Bachelor of Health Sciences program aims to create a supportive and respectful learning environment for all students. The use of laptop and mobile devices is acceptable when used in a manner appropriate to the course and classroom activities. However, research studies have found that inappropriate/off-topic use of electronic devices in the classroom negatively affects the learning of others during class time.

Students are responsible for being aware of the University's Internet and email use policy, which can be found <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Acceptable-Use-of-Electronic-Resources-and-Information-Policy.pdf>.

Statement on Diversity, Equity, and Inclusion (EDI)

The instructional and teaching assistant team for MDSC321 recognize not all students approach learning the in the same fashion and we must do better to understand and support these

diverse perspectives and experiences. We believe these efforts will result in a better and richer learning environment for all students. Moreover, at several places in the course material, past practices will be presented that failed to respect EDI principles (for example mistreatment of marginalized groups). These failures will be discussed, and evidence will be presented with regards to how respect for the principles of EDI can, and does, lead to better science and outcomes and how it is our responsibility as scientists to work to protect and advance these principles.

UNIVERSITY OF CALGARY POLICIES AND SUPPORTS

Copyright

All students are required to reach the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Acceptable-Use-of-Material-Protected-by-Copyright-Policy.pdf>) and requirements of the Copyright Act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorized sharing of course materials (including instructor notes, electronic versions of textbooks, etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy <https://www.ucalgary.ca/pubs/calendar/current/k.html>.

Instructor Intellectual Property

Course materials created by instructors (including course outlines, presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the instructor. These materials may **NOT** be reproduced, redistributed or copied without the explicit consent of the professor. **The posting of course materials to third party websites such as note-sharing sites without permission is prohibited.** Sharing of extracts of these course materials with other students enrolled in the course *at the same time* may be allowed under fair dealing.

Academic Accommodations

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The Student Accommodations policy is available at <https://ucalgary.ca/student-services/access/prospective-students/academic-accommodations>. Students needing an accommodation based on disability or medical concerns should contact Student Accessibility Services (SAS) in accordance with the Procedure for Accommodations for Students with Disabilities (<https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf>). SAS will process the request and issue letters of accommodations to instructors. For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/.

Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to Dr. Fabiola Aparicio-Ting (eparic@ucalgary.ca), Associate Dean (Undergraduate Health and Science Education).

Academic Misconduct

The University of Calgary is committed to the highest standards of academic integrity and honesty. The University of Calgary has created rules to govern all its members regarding the creation of knowledge and the demonstration of knowledge having been learned.

Academic Misconduct refers to student behaviour that compromises proper assessment of a student's academic activities and includes (but is not limited to): cheating, fabrication, falsification, plagiarism, unauthorized assistance, failure to comply with an instructor's expectations regarding conduct required of students completing academic assessments in their courses, and failure to comply with exam regulations applied by the Registrar. **It also includes using of third party websites/services to access past/current course material, essay/assignment writing services, or real-time assistance in completing assessments, seeking answers to assessment questions and similar, whether paid, bartered or unpaid.**

For information of the Student Academic Misconduct Policy and Procedures, please visit;
<https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Academic-Misconduct-Policy.pdf>

<https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Academic-Misconduct-Procedure.pdf>

Additional information is available on the Academic Integrity website at:
<https://ucalgary.ca/student-services/student-success/learning/academic-integrity>.

Recording of Lectures

Audio or video recording of lectures (or similar) is prohibited except where explicit permission has been received from the instructor.

Freedom of Information and Protection of Privacy Act

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary

Appeals

If there is a concern with the course, academic matter or a grade, first communicate with the instructor. If these concerns cannot be resolved, students can proceed with an academic appeal, as per Section I of the University Calendar. Students must follow the official reappraisal/appeal process and may contact the Student Ombuds' Office (<http://www.ucalgary.ca/ombuds>) for assistance with this and with any other academic concerns, including academic and non-academic misconduct. Students should be aware that concerns about graded term work may only be initiated **within 10 business days** of first being notified of the grade. <https://www.ucalgary.ca/pubs/calendar/current/i-2.html>

Sexual and Gender-Based Violence Policy

The University recognizes that all members of the University Community should be able to learn, work, teach and live in an environment where they are free from harassment, discrimination, and violence. The University of Calgary's sexual violence policy guides us in how we respond to incidents of sexual violence, including supports available to those who have experienced or witnessed sexual violence, or those who are alleged to have committed sexual violence. It provides clear response procedures and timelines, defines complex concepts, and addresses incidents that occur off-campus in certain circumstances. Please see the policy available at <https://www.ucalgary.ca/legal-services/university-policies-procedures/sexual-and-gender-based-violence-policy>

Resources for Support of Student Learning, Success, Safety and Wellness

Student Success Centre <http://www.ucalgary.ca/ssc/>
Student Wellness Centre <http://www.ucalgary.ca/wellnesscentre/>
Student Advocacy and Wellness Hub (CSM)
<https://cumming.ucalgary.ca/mdprogram/current-students/student-advising-wellness>
Distress Centre <http://www.distresscentre.com/>
Library Resources <http://library.ucalgary.ca>

Wellness and Mental Health Resources

The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the excellent mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (<https://www.ucalgary.ca/wellnesscentre/services/mental-health-services>) and the Campus Mental Health Strategy (<http://www.ucalgary.ca/mentalhealth/>).

Student Ombuds' Office

The Student Ombuds' Office supports and provides a safe, neutral space for students. For more information, please visit www.ucalgary.ca/ombuds/ or email ombuds@ucalgary.ca

BHSc Student Faculty Liaison Committee (SFLC)

The BHSc SFLC, with elected representatives from all majors, serves to raise issues of interest to BHSc students to the program administration, including items pertaining to curriculum, scheduling and events. A list of current representatives can be found on the BHSc website.

Student Union (SU) Information

The SU Vice-President Academic can be reached at (403) 220-3911 or suvpaca@ucalgary.ca; the SU representatives for the Cumming School of Medicine can be reached at medrep1@su.ucalgary.ca or medrep2@su.ucalgary.ca.

Student Success Centre

The Student Success Centre provides services and programs to ensure students can make the most of their time at the University of Calgary. Our advisors, learning support staff, and writing support staff assist students in enhancing their skills and achieving their academic goals. They provide tailored learning support and advising programs, as well as one-on-one services, free of charge to all undergraduate and graduate students. For more information visit:

<https://www.ucalgary.ca/student-services/student-success>

Emergency Evacuation/Assembly Points

As part of the University of Calgary Emergency Evacuation plan, students, faculty, and staff should locate the closest Assembly Point in case of Fire Alarm. Safety signage is posted throughout the campus showing the locations and the possible route to these locations. All students, faculty, and staff are expected to promptly make their way to the nearest Assembly Point if the Fire Alarm is activated. No one is to return into campus facilities until an all clear is given to the warden in charge of the Assembly Area. For more information, see

<https://www.ucalgary.ca/emergencyplan/building-evacuation/assembly-points>

Safewalk

Campus security will escort individuals, day or night, anywhere on campus (including McMahon Stadium, Health Sciences Centre, Student Family Housing, the Alberta Children's Hospital and the University LRT station). Call 403-220-5333 or visit

<http://www.ucalgary.ca/security/safewalk>. Use any campus phone, emergency phone or the yellow phone located at most parking lot pay booths. Please ensure your personal safety by taking advantage of this service.

Class Schedule

Week	Day	Month	Date	Topic
1	Wed	Sep	6	Introduction
	Fri	Sep	8	Immunity - define, describe, history, evolution
2	Mon	Sep	11	Overview of special focus topics and expectations for group report
	Wed	Sep	13	Pandemics and Emerging Disease
	Fri	Sep	15	Pandemics and Emerging Disease
3 (groups assigned)	Mon	Sep	17	Pandemics and Emerging Disease
	Wed	Sep	20	Innate vs. Adaptive
	Fri	Sep	22	Humoral vs. Cellular
4	Mon	Sep	25	Innate - Barriers (skin, mucosa, commensal, anti-microbial molecules)
	Wed	Sep	27	Innate - Pathogen Recognition
	Fri	Sep	29	Innate – Cells
5	Mon	Oct	2	In Class Term Paper Group Meet
	Wed	Oct	4	Innate – Cells / Mechanisms
	Fri	Oct	6	Innate – Mechanisms
6	Mon	Oct	9	Thanksgiving
	Wed	Oct	11	Midterm Exam – 20%
	Fri	Oct	13	Antigens
7	Mon	Oct	16	Adaptive Immunity - pathogen recognition
	Wed	Oct	18	Adaptive Immunity - pathogen recognition
	Fri	Oct	20	Antibodies – structure and function
8	Mon	Oct	23	Antibodies as a tool /therapy
	Wed	Oct	25	Science Communication
	Fri	Oct	27	In Class Term Paper Group Meet
9 (paper topic Nov 3)	Mon	Oct	30	Vaccines - what are they, how do they work?
	Wed	Nov	1	Vaccines - how do you make them?
	Fri	Nov	3	Vaccines – society and the future.
10	Mon	Nov	6	Midterm Exam – 20%
	Wed	Nov	8	Experimental Models
	Fri	Nov	10	Experimental Design
11	Mon	Nov	13	Reading Week
	Wed	Nov	15	
	Fri	Nov	17	
12	Mon	Nov	20	Complement
	Wed	Nov	22	T cell receptor / MHC - structure and function
	Fri	Nov	24	T cell receptor / MHC - structure and function
13	Mon	Nov	27	Engineered T cells/Immunodeficiency
	Wed	Nov	29	In Class Term Paper Group Meet
	Fri	Dec	1	Immunodeficiency/Autoimmunity
14 (paper Dec 6)	Mon	Dec	4	Autoimmunity/Transplant
	Wed	Dec	6	Semester Review
				Final Exam- 35%

Peer-evaluation Rubric:

Peer evaluation is an important part of your participation grade. You must fill in one evaluation per group member for each presentation. Students will receive only an average group rating and will NOT be aware how each team member rated them.

Use the following criteria for evaluating your group members:

Category	4	3	2	1
Responsibility and Engagement	Performs all assigned duties and does work without being reminded. Attends all meetings on time.	Performs nearly all assigned duties and/or rarely needs reminding. Attends all meetings on time.	Performs few assigned duties and/or often needs reminding. Attends most meetings, sometimes late.	Does not perform assigned duties and relies on others to do the work and/or does not attend meetings.
Quality of Contributions	Routinely provides useful ideas when participating in the group and in classroom discussion. A definite leader who contributes a lot of effort. Provides work of the highest quality.	Usually provides useful ideas when participating in the group and in classroom discussion. A strong group member who tries hard. Provides high quality work.	Sometimes provides useful ideas when participating in the group and in classroom discussion. A satisfactory group member who does what is required. Provides work that occasionally needs to be checked/redone by other group members to ensure quality.	Rarely provides useful ideas when participating in the group and in classroom discussion. May refuse to participate. Provides work that usually needs to be checked/redone by others to ensure quality.
Time-management	Routinely uses time well throughout the project to ensure things get done on time. Group does not have to adjust deadlines or work responsibilities because of this person's procrastination.	Usually uses time well throughout the project, but may have procrastinated on one thing. Group does not have to adjust deadlines or work responsibilities because of this person's procrastination.	Tends to procrastinate, but always gets things done by the deadlines. Group does not have to adjust deadlines or work responsibilities because of this person's procrastination.	Rarely gets things done by the deadlines AND group has to adjust deadlines or work responsibilities because of this person's inadequate time management.
Cooperation	Never argues. Provides constructive criticism when appropriate. Is never publicly dismissive of the project or the work of others. Responds positively to feedback.	Rarely argues unproductively. Sometimes provides constructive criticism when appropriate. Rarely is publicly dismissive of the project or the work of others. Responds positively to feedback.	Sometimes argues unproductively. Occasionally is publicly dismissive of the project or the work of other members of the group. May not respond positively to feedback.	Usually argues unproductively. Often is publicly dismissive of the project or the work of other members of the group. Does not respond to feedback positively.
Working with Others	Almost always listens to, shares with, and supports the efforts of others. Tries to keep people working well together.	Usually listens to, shares, with, and supports the efforts of others. Does not cause "waves" in the group.	Often listens to, shares with, and supports the efforts of others, but sometimes is not a good team member.	Rarely listens to, shares with, and supports the efforts of others. Often is not a good team player.

Adapted from: MDSC308 and Carver TL, Stickley A: Teamwork in First Year Law Units: Can It Work? Journal of University Teaching & Learning Practice. 2012, 9:1-33.

Peer-evaluation Form:

Your Name:

Group number:

	NAME	Responsibility and Engagement	Quality of Contributions	Time-management	Cooperation	Working with others	TOTAL (/20)
Group member							
Group member							
Group member							
Group member							

Adapted from: MDSC308 and Carver TL, Stickley A: Teamwork in First Year Law Units: Can It Work? Journal of University Teaching & Learning Practice. 2012, 9:1-33.