

Revision for MIMM 314

Proposal Reference : 3495
 Number
 PRN Alias : 11-12#451
 Version No : 3
 Submitted By : Dr Ciriaco Piccirillo
 Edited By : Ms Josie D'Amico

Display Printable PDF

Summary of Changes **Course Title, Course Description, Prerequisites**

	Current Data	New Data								
Program Affected?		N								
Program Change Form Submitted?										
Subject/Course/Term	MIMM 314 <ul style="list-style-type: none"> one term 									
Credit Weight or CEU's	3 credits.									
Course Activities	<ul style="list-style-type: none"> A - Lecture 									
Course Title	<table border="1"> <tr> <td>Course Title on Transcript</td> <td>Immunology</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Immunology.</td> </tr> </table>	Course Title on Transcript	Immunology	Course Title on Calendar	Immunology.	<table border="1"> <tr> <td>Course Title on Transcript</td> <td>Intermediate Immunology</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Intermediate Immunology.</td> </tr> </table>	Course Title on Transcript	Intermediate Immunology	Course Title on Calendar	Intermediate Immunology.
Course Title on Transcript	Immunology									
Course Title on Calendar	Immunology.									
Course Title on Transcript	Intermediate Immunology									
Course Title on Calendar	Intermediate Immunology.									
Rationale		A new, entry-level immunology course (MIMM-214) for first-year students is being added to the Departmental curriculum, and will be taught and coordinated by Dr. Joachim Madrenas, as of Winter 2013. MIMM-214 will expand on some elementary aspects currently taught in MIMM-314, in turn, enabling a more in depth coverage of the remaining topics in MIMM-314. As such, MIMM-314 will become an intermediate immunology course for second year students in the Program. The structure, content topics and testing approaches will not change.								
Responsible Instructor		Dr. Ciriaco A. Piccirillo, Department of Microbiology and Immunology								
Course Description	An introduction to the immune system, antigens, antibodies and lymphocytes. The course will cover the cellular and molecular basis of lymphocyte development and mechanisms of lymphocyte activation in immune responses.	An intermediate-level immunology course covering the cellular and molecular basis of lymphocyte development and activation in immune responses in health and disease.								
Teaching Dept.	0232 : Microbiology & Immunology									
Administering Faculty/Unit	SC : Faculty of Science									

Prerequisites	Prerequisite: BIOL 200 and BIOL 201 or BIOC 212	Prerequisite: MIMM 214 Web Registration Blocked? : N
Corequisites		
Restrictions		
Supplementary Calendar Info	1. Winter 2. 3 hours of lecture	
Additional Course Charges		
Campus		
Projected Enrollment		
Requires Resources Not Currently Available		
Explanation for Required Resources		
Consultation Reports Attached?		
Effective Term of Implementation		201301
File Attachments		No attachments have been saved yet.
To be completed by the Faculty		
For Continuing Studies Use		

Approvals Summary

Show all comments

Version No.	Departmental Curriculum Committee	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status
3								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Dec 8 2011
2								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Nov 23 2011

1							Submitted to Curriculum/Academic Committee for approval Created on: Nov 14 2011
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Josie D'Amico, McGill University
Assistant to the Dean, Faculty of Science

Dear Josie:

Updating my previous email, below is the updated list of the 10 places (covering all programs) where I have sent my basic consultation email with the MIMM 214 & 314 course proposal forms and their syllabuses. As you can see, now 10/10 agree = OK these changes. Thanks for calling Ann Wechsler, and I am sure that Dr Piccirillo will present more details of his MIMM 314 course and coordinate its contents with the Physiology and the other programs.

Consultations

1 Honours Immunology Program	OK	Ciriaco Piccirillo
2 Neuroscience Programs	OK	Monroe W Cohen
3 Anatomy Programs	OK	Fiona Bedford
4 Chemistry Programs	OK	Linda Reven and David Ronis
5 Biochemistry Programs	OK	Christine Laberge
6 Physiology Programs	OK for now	Ann Wechsler
7 Pharmacology Programs	OK	Paul Clarke
8 Biotechnology	OK	Nancy Nelson
9 Interdisciplinary Life Sciences	OK	Ryan Bouma and Nicole Allard
10 School of Environment programs	OK	Kathryn Roulet

The email documentations follow (These are in corresponding 10 sections). I attach a PDF file of this lengthy email for easy uploading.

Greg Marczynski

Microbiology and Immunology

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1 Honours Immunology Program

Monday, December 05, 2011 2:54 PM

Hello,

Indeed, the addition of MIMM-214 will very much be harmonized with the curriculum of the IHI Program.

Thank you for keeping me updated.

Cheers

CP

On 2011-12-05, at 14:48, "Gregory Marczyński, Dr." <greg.marczyński@mcgill.ca> wrote:

Dr Ciriaco Piccirillo is in charge of Honours Immunology, and he is also the current MIMM 314 course coordinator. Next to Dr Madrenas, he has provided the most input into our new immunology program.

I suppose that MIMM 314 is and will be required for this program but I'd rather that he has the final word.

I also suppose that I/we need for our records a short email from Dr Piccirillo saying that Honours Immunology will be harmonized with MIMM 214.

greg

From: Josie D'Amico
Sent: Monday, December 05, 2011 12:49 PM
To: Gregory Marczyński, Dr.
Subject: Honours Immunology (Interdepartmental)

Hi Greg,

What will happen with the Honours Immunology (Interdepartmental) Program (MIMM 314 is currently a U2 Required Course)?

Thanks. Josie

Josie D'Amico, McGill University
Assistant to the Dean, Faculty of Science
Dawson Hall, Room 305, 853 Sherbrooke St. West
Montréal, Québec, Canada H3A 2T6
E-mail: josie.damico@mcgill.ca

Telephone: (514) 398-4215
Internet: <http://www.mcgill.ca/science>

RE: Honours Immunology Program changes

The McGill Department of Microbiology and Immunology is planning to add a new Immunology course MIMM 214 to begin in 2013 (Winter). MIMM 214 will replace MIMM 314 as the first-year beginning immunology course and MIMM 314 will become a second-year intermediate immunology course in 2014 (Fall). As your program currently uses MIMM 314, we need your consultation for approving MIMM 214 and you will need to adjust your program. MIMM 214 will have the same prerequisites as the current MIMM 314 and it will be open to students from outside of our department. Therefore, you may simply replace MIMM 314 with MIMM 214 starting 2013 (Winter).

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As our department's representative before the Faculty of Sciences Academic Committee, I look forward to your feedback.

Greg Marczynski

McGill/Microbiology and Immunology

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2 Neuroscience programs

On 2011-11-23, at 7:06 PM, Monroe W. Cohen wrote:

Dear Greg,

Thank you for this information on MIMM 214. As you suggest, I will recommend to our Neuroscience Committee that MIMM 214 replace MIMM 314 in Stream A of the Neuroscience Major. MIMM 214 is a much needed course and will benefit the neuroscience students.

Monroe

RE: Major in Neuroscience program changes

Dr Monroe W Cohen

monroe.cohen@mcgill.ca

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As our department's representative before the Faculty of Sciences Academic Committee, I look forward to your feedback.

Greg Marczynski

McGill/Microbiology and Immunology

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3 Anatomy Programs

Hi Greg,

That sounds fine, we have no issue with the proposal and will amend our calendars appropriately once the proposal has passed through the committees.

Fiona.

RE: Minor changes to programs in Anatomy & Cell Biology

Prof. Fiona Bedford

fiona.bedford@mcgill.ca

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Greg Marczynski

McGill/Microbiology and Immunology

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4 Chemistry

Dear Josie,

After discussing these changes with my colleagues and getting their recommendation as to how we should adjust our program, I give my approval for the proposed change by Microbiology and Immunology.

Do I need to fill out something on Minerva or does this e-mail suffice for the approval?

The department recommends adding MIMM 214 and leaving MIMM 314 and I will look into the procedure for that change.

- Linda Reven

Begin forwarded message:

From: "Gregory Marczyński, Dr." <greg.marczyński@mcgill.ca>

Date: November 23, 2011 2:15:28 PM EST

To: "Linda Reven, Dr." <linda.reven@mcgill.ca>

Cc: Josie D'Amico <josie.damico@mcgill.ca>

Subject: Minor changes to programs in Chemistry

RE: Minor changes to programs (Honours) in Chemistry

Linda Reven

linda.reven@mcgill.ca

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As our department's representative before the Faculty of Sciences Academic Committee, I look forward to your feedback.

Greg Marczynski

McGill/Microbiology and Immunology

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5 Biochemistry Programs

To: Gregory Marczynski, Dr.

Cc: John R. Silvius, Dr.

Wednesday, November 30, 2011 3:00 PM

Dear Dr. Marczynski,

This will confirm that Dr. Silvius and I "APPROVE"

Thank you.

Christine Laberge

Student Affairs Officer

Department of Biochemistry

McGill University

McIntyre Medical Sciences Building

Room 905A, 3655 Promenade Sir-William-Osler

Montreal, QC H3G 6Y7

Tel: (514) 398-2423 Fax: (514) 398-7384

E-mail: christine.laberge@mcgill.ca

The McGill Department of Microbiology and Immunology is planning to add a new Immunology course MIMM 214 to begin in 2013 (Winter). MIMM 214 will replace MIMM 314 as the first-year beginning immunology course and MIMM 314 will become a second-year intermediate immunology course in 2014 (Fall). As your program currently uses MIMM 314, we need your consultation for

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As our department's representative before the Faculty of Sciences Academic Committee, I look forward to your feedback.

Greg Marczynski

McGill/Microbiology and Immunology

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6 Physiology

From: Ann Wechsler, Dr.
Sent: Thursday, December 08, 2011 2:07 PM
To: Josie D'Amico
Cc: Russell Jones, Dr.; Monroe W. Cohen
Subject: FW: Revised MIMM 314

Dear Ms. D'Amico,

Thanks for your phone call and for sending the attachment regarding the MIMM course.

Unfortunately, the content of the future MIMM 314 remains rather vague.

However, since MIMM 214 will not be offered for another year, and the current MIMM 314 will remain in effect until then, there is still a lot of time for our Department to get additional detail regarding the evolution of MIMM 314.

Have a good day,

Ann

Department of Physiology

McGill University

McIntyre Medical Sciences Building

3655 Sir William Osler Promenade

Montreal, QC H3G 1Y6

Telephone: (514)398-4341

ann.wechsler@mcgill.ca

Dear Greg,

The Department of Physiology has reviewed the course content of MIMM 214, and considers it to be an excellent introductory course in Immunology. Although our own PHGY 209 has 5 lectures on the Physiology of the Immune System, the overlap is limited. We wish your Department good luck with the introduction of MIMM 214.

With respect to MIMM 314, this course was part of our programs only as a Complementary course which could be counted towards our requirement of 6 credits of Upper Level Science courses (at -300 level and above). We would like to keep this option available for our upper year students .

With many thanks for consulting with us,

Ann

Department of Physiology

McGill University

McIntyre Medical Sciences Building

3655 Sir William Osler Promenade

Montreal, QC H3G 1Y6

Telephone: (514)398-4341

ann.wechsler@mcgill.ca

From: Gregory Marczynski, Dr.
Sent: Wednesday, November 23, 2011 3:05 PM
To: Ann Wechsler, Dr.
Cc: Josie D'Amico
Subject: RE: Minor changes to programs in Physiology

RE: Minor changes to programs in Physiology

Prof. Ann Wechsler

ann.wechsler@mcgill.ca

The McGill Department of Microbiology and Immunology is planning to add a new Immunology course MIMM 214 to begin in 2013 (Winter). MIMM 214 will replace MIMM 314 as the first-year beginning immunology course and MIMM 314 will become a second-year intermediate immunology course in 2014 (Fall). As your program currently uses MIMM 314, we need your consultation for approving MIMM 214 and you will need to adjust your program. MIMM 214 will have the same prerequisites as the current MIMM 314 and it will be open to students from outside of our department. Therefore, you may simply replace MIMM 314 with MIMM 214 starting 2013 (Winter). Unless you see additional issues, you can simply contact Josie D'Amico and say "I approve".

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As our department's representative before the Faculty of Sciences Academic Committee, I look forward to your feedback.

Greg Marczynski

McGill/Microbiology and Immunology

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7 Pharmacology

Hello Josie,

I approve the proposal to add a new Immunology course MIMM 214 to begin in 2013 (Winter) (see e-mail below).

As Dr. Marczyński points out, this will necessitate a minor change to our programs in Pharmacology, so can you please advise me when I should submit my own change request? I assume I should wait until Microbiology and Immunology's proposal has been approved by the faculty of science academic committee.

Thanks

Paul Clarke

Paul B.S. Clarke PhD

Professor

Dept of Pharmacology and Therapeutics

From: Gregory Marczyński, Dr.
Sent: November 23, 2011 4:03 PM
To: Paul Clarke, Dr.
Cc: Josie D'Amico
Subject: RE: Minor changes to programs in Pharmacology

RE: Minor changes to programs in Pharmacology

Prof. Paul Clarke

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8 Biotechnology

Friday, December 02, 2011 1:44 PM

Dear Josie,

On behalf of the BIOT Minor program I will approve this change. We'll add MIMM 214 to the Immunology stream for the BIOT Minor. I have some concerns that a student could thus complete the BIOT Minor with almost entirely 200-level courses, but in practice that rarely happens because due to the overlap, they do end up adding additional courses to substitute.

I would also like to clarify the working of the Minor. I'll have to consult with you perhaps in the winter to see if the wording changes would necessitate a program revision.

Best regards,

Nancy Nelson

Undergraduate Advisor

McGill University

Department of Biology

STEWART Biology Building W3/25

1205 Avenue Docteur Penfield
Montréal Québec H3A 1B1

Phone: 514-398-4109

Fax: 514-398-5069

Mail to: Nancy.Nelson@mcgill.ca

Hi again,

I confirm that this will be compatible with the aims of the Minor in Biotechnology. Nancy will have to submit the change to the Faculty of Science at some point for approval.

Regards,

Hugh.

Hugh Bennett, PhD,
Professor,

Department of Medicine,
McGill University.

Hi Greg,

This seems straight-forward. Over the summer I handed over co-ordination of the Minor in Biotechnology to Nancy Nelson in the Biology Department. I am cc'ing her on this reply and encourage her to approve the change.

Regards,

H.B.

From: Gregory Marczynski, Dr.
Sent: November 23, 2011 4:26 PM
To: Hugh P J Bennett, Dr
Cc: Josie D'Amico
Subject: RE: Minor changes to programs in Parasitology/minor in Biotechnology

RE: Minor changes to programs in Parasitology/minor in Biotechnology

Prof. Hugh Bennett

RE: Minor changes to programs in Parasitology/minor in Biotechnology

Prof. Hugh Bennett

hugh.bennett@mcgill.ca

The McGill Department of Microbiology and Immunology is planning to add a new Immunology course MIMM 214 to begin in 2013 (Winter). MIMM 214 will replace MIMM 314 as the first-year beginning immunology course and MIMM 314 will become a second-year intermediate immunology course in 2014 (Fall). As your program currently uses MIMM 314, we need your consultation for approving MIMM 214 and you will need to adjust your program. MIMM 214 will have the same prerequisites as the current MIMM 314 and it will be open to students from outside of our department. Therefore, you may simply replace MIMM 314 with MIMM 214 starting 2013 (Winter). Unless you see additional issues, you can simply contact Josie D'Amico and say "I approve".

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As our department's representative before the Faculty of Sciences Academic Committee, I look forward to your feedback.

Greg Marczynski

McGill/Microbiology and Immunology

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9 Interdisciplinary Life Sciences

Monday, November 28, 2011 1:00 PM

Hello Greg,

I'd like to include MIMM 214 in the Minor in Interdisciplinary Life Sciences, but I would also like to keep MIMM 314 which remains a good Life Science course for the minor.

MIMM 214 could be added to the Basic Life Sciences List in the Interdisciplinary Life Sciences minor, as one of many options that students can choose to take in the ILS program. MIMM 314 would remain on the Basic Life Sciences List, MIMM 214 serving as its prerequisite.

Thanks,

Ryan Bouma

Interdisciplinary Program Adviser

Faculty of Science

Dawson Hall, Room 411

853 Sherbrooke Street West

Montreal, QC H3A 2T6

RE: Minor changes to Minor in Interdisciplinary Life Sciences

- Ryan Bouma, Interim Adviser
- Interdisciplinary Programs Adviser

The McGill Department of Microbiology and Immunology is planning to add a new Immunology course MIMM 214 to begin in 2013 (Winter). MIMM 214 will replace MIMM 314 as the first-year beginning immunology course and MIMM 314 will become a second-year intermediate immunology course in 2014 (Fall). As your program currently uses MIMM 314, we need your consultation for approving MIMM 214 and you will need to adjust your program. MIMM 214 will have the same prerequisites as the current MIMM 314 and it will be open to students from outside of our department. Therefore, you may simply replace MIMM 314 with MIMM 214 starting 2013 (Winter). Unless you see additional issues, you can simply contact me and say "I approve".

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As our department's representative before the Faculty of Sciences Academic Committee, I look forward to your feedback.

Greg Marczynski

McGill/Microbiology and Immunology

To: Gregory Marczynski, Dr.

Cc: Laurie Hendren, Prof.; Josie D'Amico; Peter Barry

Tuesday, November 29, 2011 3:56 PM

Hi Gregory,

I approve. We will simply add the new MIMM 214 course to the list of complementary "basic life sciences" courses once it is approved.

Thanks,

Nicole

Nicole Allard

Director, Advising Services

Faculty of Science

From: Gregory Marczynski, Dr.
Sent: November 28, 2011 1:18 PM
To: Nicole Allard
Subject: Minor changes to Minor in Interdisciplinary Life Sciences

RE: Minor changes to Minor in Interdisciplinary Life Sciences

Nicole Allard

Director, Advising Services
Science Office for Undergraduate Student Advising (SOUSA)
Faculty of Science,

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As our department's representative before the Faculty of Sciences Academic Committee, I look forward to your feedback.

Greg Marczynski

McGill/Microbiology and Immunology

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10 School of Environment programs

Hi Greg:

No problem. Sorry to be so long in getting back to you.

We have no objection to these revisions. We will update our two domains accordingly when we make our next program revisions. In the meantime, we will allow students to take MIMM 214 (as a complementary course substitution) where they would have taken MIMM 314 previously.

One question: we also include MIMM 413 in both of these domains (Cellular and Popular streams in the Ecological Determinants of Health domain). Currently, MIMM 314 is a pre-req for MIMM 413. With the proposed new course and course revision, which course will be the pre-req for MIMM 413?

Thank you for consulting with us on your proposal,

Kathy

Kathryn Roulet, M.Sc.

Program Adviser

McGill School of Environment

(514) 398-4306

From: Gregory Marczynski, Dr.
Sent: Friday, December 02, 2011 9:12 PM
To: Kathryn Roulet, Ms
Subject: RE: Minor change to School of Environment programs

Kathy Roulet

kathryn.roulet@mcgill.ca

RE: Minor change to [School of Environment programs](#)

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More specifically, [MIMM 314](#) is listed in a number of [School of Environment programs](#):

- Minor in Environment – [MIMM 314 in the Suggested Course List](#)
- Maj in Environment; [Ecol Deter of Health – Cellular – Complementary](#)
- Maj in Environment; [Ecol Deter of Health – Population - Complementary](#)
- Diploma in Environment – [MIMM 314 in the Suggested Course List](#)

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Greg Marczynski

McGill/Microbiology and Immunology



MIMM-314 Immunology
Winter Term 2012
Schedule and Information

COURSE COORDINATOR: Dr. C.A. Piccirillo

Teaching Assistant: TBD

Textbook: Janeway Immunobiology, 7th Edition, Garland Publishing Inc.

LOCATION: Tuesday and Thursday; 8:30-10:00 a.m. in McIntyre Medical (MCMED)

DATE		TOPIC	LECTURER
		BLOCK I: Cells, tissues & processes of the immune system	
January 10	Tu	Course overview and introduction. <i>Cells and processes of immune responses</i>	Dr. C. Piccirillo
January 12	Th	Hematopoiesis: <i>Generation of cells of the immune system.</i>	Dr.C. Krawczyk
January 17	Tu	The complement system, phagocytes and dendritic cell biology.	Dr.C. Krawczyk
January 19	Th	Innate immunity: <i>detection of microbial and danger signals in inflammatory responses.</i>	Dr.C. Krawczyk
January 24	Tu	Receptor structure/function and antigen recognition by B and T lymphocytes (Note on course registration : Last day to drop or add)	Dr. C. McCusker
January 26	Th	Receptor diversification and generation of antibody diversity	Dr. C. McCusker
January 31	Tu	The Major Histocompatibility Complex: - <i>Antigen processing and presentation to T cells</i>	Dr. C. McCusker
February 2	Th	T and B lymphocyte development.	Dr. S. Fournier
February 7	Tu	Signal transduction through lymphocyte receptors: <i>linking antigen recognition with cellular responses</i>	Dr. S. Fournier
February 9	Th	Peripheral lymphocyte homeostasis I	Dr. S. Fournier
February 14	Tu	Peripheral lymphocyte homeostasis II	Dr. S. Fournier
February 16	Th	Mid-term 1 – Drs. Piccirillo, McCusker, Fournier (See notes)	In-Class Exam
February 20-24		STUDY BREAK – No classes this week.	



DATE		TOPIC	LECTURER
		BLOCK II: Lymphocyte activation and immune function	
February 28	Tu	T cell mediated immunity I: <i>Co-stimulatory/inhibitory signals in T cell activation.</i>	Dr. C. Piccirillo
March 1	Th	T cell mediated immunity II: <i>Cell differentiation, cytokine biology and effector functions.</i>	Dr. C. Piccirillo
March 6	Tu	Humoral immunity I: <i>B cell activation and effector functions</i>	Dr. S. Fournier
March 8	Th	Humoral immunity II: <i>Immunoglobulin and effector functions</i>	Dr. S. Fournier
March 13	Tu	Mechanisms of peripheral tolerance I	Dr. C. Piccirillo
March 15	Tu	Mechanisms of peripheral tolerance II	Dr. C. Piccirillo
March 20	Th	Immune responses to infections	Dr. C. Piccirillo
		BLOCK III: Immune responses in health and disease	
March 22	Tu	Hypersensitivity types: <i>mechanisms of immune pathology.</i>	Dr. R. Alizadehfar
March 27	Th	Mid term II- Drs. Fournier, Piccirillo, Alizadehfar (See notes)	In-Class Exam
March 29	Th	Transplantation immunology: <i>mechanisms of graft rejection and acceptance.</i>	Dr. J. Madrenas
April 3	Tu	Tumor immunology: <i>tumor immune evasion mechanisms, and immunotherapy.</i>	Dr. C. Piccirillo
April 5	Th	Inherited immune deficiencies.	Dr. C. Tsoukas
April 10	Tu	Acquired immune deficiencies.	Dr. C. Tsoukas
April 12	Th	Interventional immunology: <i>human immunotherapy</i>	Dr. R. Alizadehfar
April 17 - 30		Final exam period	

Mid-term I Examination (20%). Mid-term II Examination (20%). Final Examination (60%).

For **ALL** queries, questions and comments regarding the course, please direct your correspondence to:

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