



Welcome  
to  
**Physics 259**

**This is Section  
L01**

# Your Professor:

Dr. Nasser Ahmadi

Dept. of Physics and Astronomy

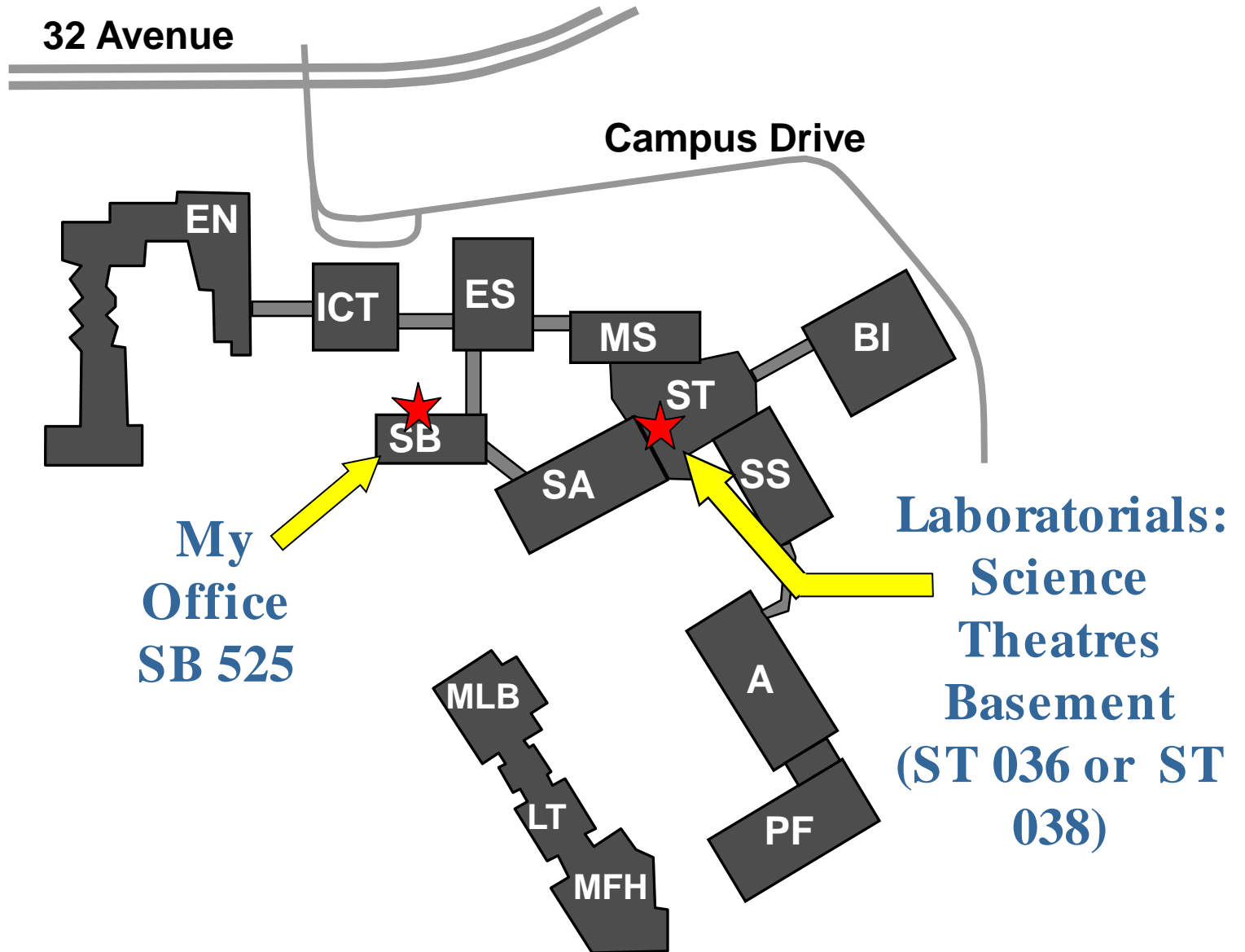
My office: Science “B” Building, SB 525.

Office Hours: in **SB 525**

Mondays 10:00-11:00

Wednesdays 16:00-17:00

Or by appointments



# Course Coordinator:

Dr. Marzena Kastyak-Ibrahim

Dept. of Physics and Astronomy

**email:** [marzena.kastyakibrah@ucalgary.ca](mailto:marzena.kastyakibrah@ucalgary.ca)

**office:** SB 507

**Your timetable shows a 2-hour laboratory session each week.**

**We will refer to these as  
“Laboratorials”.**

**IMPORTANT: Laboratorials begin  
during the week of January 23**

### Physics 259 laboratorial Schedule – Winter 2017

Week	Dates	laboratorial
1	Jan 9-13	No laboratorial
2	Jan 16-20	No laboratorial
3	Jan 23-27	Laboratorial 1 Electric Charges and Forces
4	Jan 30- Feb 3	Laboratorial 2 Electric Fields
5	Feb 6-10	Laboratorial 3 Gauss' Law
6	Feb 13-17	No Labratorials
*** Midterm Exam- Tuesday February 14		
Feb 19-26 Reading Break. No lectures. University open.		
7	Feb 27-Mar 3	Laboratorial 4 Motion of Charges
8	Mar 6-10	Laboratorial 5 Electric Potential
9	Mar 13-17	Laboratorial 6 Capacitors
10	Mar 20-24	Labroatorial 7 Play Doh Resistors
11	Mar 27-31	Laboratorial 8 Magnetic Fields & Forces
12	Apr 3-7	Laboratorial 9 Magnetic force on a Loop
13	Apr 10-12	Make-up laboratorials

# Physics 259 Desire2Learn web site

- **Main website: PHYS 259 L01- L04 - (Winter 2017) - Electricity and Magnetism (for students in Engineering)**
  - Course announcements, forms, grades (except laboratorials and TopHat), laboratorial write-ups
- **Laboratories website: PHYS 259 B01-B36 - (Winter 2017) - Electricity and Magnetism (for students in Engineering)**
  - Laboratorial grades, contact info for your TA, laboratorial write-ups, end-of-lab problems

# Textbook (& Wiley Plus Code)

- HALLIDAY / Fundamentals of Physics Extended, 10E BRV w/ WileyPLUS /978-1-119-25163-7 / \$125.95
- Digital option: HALLIDAY / E BOOK WILEYPLUS FUNDAMENTALS OF PHYSICS EXTENDED EDITION /978-1-118-44149-7 / \$112.50
- **The SAME textbook will be used in PHYS 259 & PHYS 365/369**



# Other options

- If you are not able to purchase a new book or the WileyPLUS standalone, you will be able to access the homework in the computer lab in **Taylor Library**.
- You will not have access to additional WileyPLUS materials, and must do your homework in the lab

# Other textbooks

- Sears & Zemansky's University Physics with Modern Physics, Technology Update, Custom Edition for the University of Calgary
- It does not give you access to WileyPlus and might no longer be available at the bookstore

# Activities that determine your final course grade in Phys 259:

Labatorials (9)	17% of course grade
Assignments (12)	8%
Midterm test (2-hours)*	25%
Activities	7% (2% TopHat +5% group work)
Final examination (3 hours)	<u>40%</u>
	100%

**\*IMPORTANT:**

The midterm test is **Tuesday, February 14, 19h00-21h00**

**Important:** Do not plan for holiday trips in the Final Exam Period!

**April 15-26**

A vacation is **not** an excusable absence!



# Things to Do On-line

There are some things to do on-line during the first two weeks.

They each contribute to your grade.

They each must be done by a certain date.

# Things to Do On-line

- Register for **TopHat**:  
**Go to** <https://tophat.com>



Course name:       PHYS259W2017L01  
Registration Code: 419305

- Register for **WileyPlus**.  
Instructions are given in:  
D2L > Content> **WileyPlus**.

# Things to Do On-line

- Complete Assignment #1 (**Introduction to WileyPlus**) before **11:59 pm, Monday January 16**.
- Complete Assignment #2 (**Math Review**) before **11:59 pm, Wednesday, January 18**.
- Subsequent assignments will be due 11:59 pm on Wednesdays. Read D2L > **Course Information** for a detailed course and assignment schedule.

### Physics 259 Assignment Schedule – Winter 2017

Assignment Name	Material covered	Available for students	Due date
Assignment 1	Introduction to Wiley Plus	Monday, January 09, 2017	Monday, January 16, 2017
Assignment 2 - Winter 2016	Math + Mechanics Review	Wednesday, January 11, 2017	Wednesday, January 18, 2017
Assignment 3 - Winter 2016	Electric Force	Wednesday, January 18, 2017	Wednesday, January 25, 2017
Assignment 4 - Winter 2016	Electric Field and Flux	Wednesday, January 25, 2017	Wednesday, February 01, 2017
Assignment 5 - Winter 2016	Gauss's Law	Wednesday, February 01, 2017	Wednesday, February 08, 2017
Assignment 6 - Winter 2016	Gauss's Law applications Electric Potential Energy	Wednesday, February 15, 2017	Wednesday, March 01, 2017
Assignment 7 - Winter 2016	Electric Potential	Wednesday, March 01, 2017	Wednesday, March 08, 2017
Assignment 8 - Winter 2016	Capacitors	Wednesday, March 08, 2017	Wednesday, March 15, 2017
Assignment 9 - Winter 2016	Current and Resistance, DC circuits	Wednesday, March 15, 2017	Wednesday, March 22, 2017
Assignment 10 - Winter 2016	Magnetic Field and Forces	Wednesday, March 22, 2017	Wednesday, March 29, 2017
Assignment 11 - Winter 2016	Sources of magnetic field, Ampere's Law	Wednesday, March 29, 2017	Wednesday, April 05, 2017
Assignment 12 - Winter 2016	Induction and inductors	Wednesday, April 05, 2017	Wednesday, April 12, 2017



# Things to Do On-line

- Before your first laboratorial, go to D2L > Content > Laboratorials and download **Laboratorial 1 (Charges and Forces)**
- Bring a blank copy of laboratorial 1 with you to your first laboratorial session.
- For following laboratorials you will need a blank copy of the write up (please see the schedule)

# Weekly Pre-Reading Quizzes

- Read the sections assigned to a given week  
D2L > Content > Course Information>course outline
- Answer the questions about the reading at:  
D2L > Assessments > Quizzes

COMPLETE THE QUIZ BY Sunday @ 11:59pm

# Summary

## **On-line Task**

## **Must Be Done Before**

Ass't #0 Intro to WP

11:59 pm, Mon Jan 16.

Ass't #1 Math Review

11:59 pm, Wed Jan 18.

Download Laboratorial #1 Before start of laboratorial.

## Other things to do in the first week:

Continue to come to lectures.

Familiarize yourself with the documents on Desire2Learn.

Get the textbook and the WileyPlus Access

Attend your first laboratorial starting the week of **Jan 23**.

Please be courteous to those around you.



# Cell phones should....

- ... be set on 'silent'
- ... only be used for TopHat.
- ... NOT be answered in class.



# **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.**

**You can assume that in all classes that you attend, your cell phone should be turned off. Also, communication with other individuals, via laptop computers, Blackberries, iphones or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.**