

MATHEMATICAL QUANTUM MECHANICS MAT265

SYLLABUS FALL 2020

Professor: Roger Casals (casals – at – ucdavis.edu).

Class schedule: Lectures are **MWF 1:10-2:00pm** by Prof. Casals.

Emails. My email address is casals – at – ucdavis.edu. This is the fastest way to contact me. I am happy to answer questions via email, and it also tends to be helpful to set up appointments to meet in person, you are welcome to do either.

Course Website. I will be maintaining the course website at the following URL “<https://www.math.ucdavis.edu/casals/Teaching/Fall20/MAT265/Fall20MAT265.html>”,

whose content includes this syllabus, the weekly assigned Problem Sets, Math Diary on the material covered in each lecture, and additional materials. The grades for the assignments and exams will be administered through UC Davis Canvas.

Professor Office Hours. Regular office hours on **Wednesdays 3:00-4:00pm**. Feel free to come and discuss the material on the Lectures and the Problem Sets.

Textbook. We will use “A Brief Introduction to Physics for Mathematicians” by I. Dolgachev. There is a free version available in the authors’ website¹, which is also hyperlinked in the course website above.

Grade. The Final Class Grade **G** is computed with the formula:

$$G = 0.6 \cdot (\text{PSets}) + 0.2 \cdot (\text{Midterm Exam}) + 0.2 \cdot (\text{Final Exam}).$$

Assignments. The weekly assignments are due on **Friday** and should be submitted online via **Gradescope** at the beginning of class. The assignments will be posted in the course website as the course progresses. The lowest grade will be dropped.

You are allowed to ask for at most one *unexcused* extension directly to me (R. Casals). Late homework will not be accepted under any other circumstances. Use these extensions wisely and I encourage you to directly talk to me about the benefits and drawbacks of using extensions.

Academic Conduct. You must read, understand and act in accordance with the Code of Academic Conduct, available at <http://sja.ucdavis.edu/files/cac.pdf>. Inappropriate conduct will be reported to the Office of Student Support and Judicial Affairs.

¹<http://www.math.lsa.umich.edu/idolga/>

Disabilities If you need special accommodation, please let me know, ideally in advance. The Student Disability Center (SDC) is here to help, and they can do so if you contact them.

Please be aware of the following message by the SDC:

"Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Student Disability Center (SDC). Faculty are authorized to provide only the accommodations requested by the SDC. If you have any questions, please contact the SDC at 530-752-3184 or sdc@ucdavis.edu."

In addition, the SDC also shares:

"The Student Disability Center (SDC) asks that students interested in serving as paid note takers for this course please contact the Student Disability Center at sdc@ucdavis.edu.

Note takers are paid a stipend of \$25 per unit, but must have a social security number or have visa status to qualify for an SSN, have a GPA of 2.5 or better, and be in good Academic standing with UC Davis. Students should attach a sample of their notes to the email and put the following information in the subject line: 'note taker', the course code, CRN number, and instructor's name. If selected, the SDC will offer the position to the Note Taker.*

Notes provided to SDC students needing note takers are not to be posted, sold, or otherwise distributed, either by the note taker or the SDC Student receiving the notes. Note takers and SDC students receiving notes are expected to comply with the UC Davis academic honor code. Thank you in advance for your time and consideration.

** You can volunteer in lieu of payment"*