

# PHYS 424/506A Course Outline, January 2017

Professor:

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Office hours: TBA

Lectures: TWF 10:30-11:20, Elliott 161

The marks will be assigned as follows:

Assignments	40%	
Class participation	10%	
Midterm Exam	20%	<b>(Date TBA)</b>
Final Exam	30%	<b>(Date TBA)</b>

Where possible, we will follow the Griffiths text. The latter part of the course will include some material on experimental methods not found in Griffiths.

Homework will be assigned every ~ 2 weeks.

The date and time for the final exam will be announced when known. You will be allowed to bring notes – but no electronic resources – into the final exam.

The correspondence between numerical (%) and letter grades is as mandated by UVic:

A+	>90
A	85-90
A-	80-85
B+	77-80
B	73-77
B-	70-73
C+	65-70
C	60-65
D	50-60
E	35-50 fail, conditional supplemental
F	<35 fail, no supplemental
N	Fail, did not write examination or otherwise complete course requirements by the end of the term or session; no supplemental exam

The text for the course is “Introduction to Elementary Particles” by David Griffiths. An outline of topics is given below.

- Historical Introduction
- Elementary Particle Dynamics
- Relativistic Kinematics
- Symmetries
- Particle Interactions in Matter
- Experimental Methods
- The Feynman Calculus
- Quantum Electrodynamics
- Weak Interactions
- Selected topics

## **General University Policies**

You should be aware of the relevant university policies regarding a respectful and productive learning environment, inclusivity and diversity, discrimination and harassment, student discipline and accommodation of religious observance:

<http://web.uvic.ca/calendar2013/GI/GUPo.html>

## **Academic Integrity**

Please take particular note of the policy on academic integrity:

<http://web.uvic.ca/calendar2013/FACS/UnIn/UARe/PoAcl.html>. I have no sympathy for those who disregard this policy, and will deal seriously with all violations of this policy.