

Physics 425
Classical Mechanics II
Winter 2006
Tuesdays and Thursdays 12:00- 13:15 pm
Broadway Housing Bldg. 218

Instructor: Perla Peszkin, peszkin@pdx.edu
Office Hours: Tuesdays/Thursdays 13:30 pm -14:30 pm
T.A.: Josh Green, jgreen@pdx.edu

Text: Fowles and Cassiday, Analytical Mechanics, 7th edition

Course Material

We will cover chapters 6 to 10th of the text.

Homework (no late homework will be accepted)

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| 6) Due Thursday, January 19 | 6.3, 6.5, 6.10, 6.14 (a), 6.17, 6.21, 6.27. |
| 7) Due Tuesday, January 31 | 7.5, 7.10, 7.12, 7.14, 7.16, 7.24, 7.25 |
| 8) Due Tuesday, February 7 | 8.11, 8.19, 8.20 |
| 9) Due Tuesday, February 28 | 9.1, 9.2, 9.16, 9.17 |
| 10) Due Thursday, March 16 | 10.12, 10.14, 10.19, 10.22, 10.27 |

Grading:

Homework 30 %

Midterm (Thursday, February 9) 30 % (units 6-8)

Final (Thursday March 23, 10:15am-12:05pm) 40 % (Includes all material covered in class)

Revised 1/5/06

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Syllabus

(Chapters are from text: Analytical Mechanics by Fowles & Cassiday)

- Tuesday, January 10. Chapter 6: 6.1 to 6.5.
- Thursday, January 12. Chapter 6: 6.6 to 6.10.
- Tuesday, January 17. Chapter 6: 6.11 to 6.14
- Thursday, January 19. Chapter 7: 7.1 to 7.3
- Tuesday, January 24. Chapter 7: 7.5 to 7.7
- Thursday, January 26. Chapter 8: 8.1 to 8.3
- Tuesday, January 31. Chapter 8: 8.4 to 8.5
- Thursday, February 2. Chapter 8: 8.6 to 8.7
- Tuesday, February 7. REVIEW
- Thursday, February 9. MIDTERM.**
- Tuesday, February 14. Chapter 9: 9.1 to 9.3
- Thursday, February 16. Chapter 9: 9.4 to 9.5
- Tuesday, February 21. Chapter 9: 9.6 to 9.8
- Thursday, February 23. Chapter 9: 9.9
- Tuesday, February 28. Chapter 10: 10.1 to 10.2
- Thursday, March 2. Chapter 10: 10.3 to 10.4
- Tuesday, March 7. Chapter 10: 10.5 to 10.6
- Thursday, March 9. Chapter 10: 10.7 to 10.8
- Tuesday, March 14. Chapter 10: 10.9
- Thursday, March 16. REVIEW.
- Thursday, March 23. FINAL EXAM (10:15am to 12:05pm)**