Instructor: Hongbo Joshua Yang
Office: REIC 110; E-mail: hyang20@alaska.edu

Time: Lectures: MWF 2:15 to 3:15 pm, T 1:15 to 2:15 pm.

Place: Lectures: REIC 207

Office Hours: Walk-ins are very welcome; appointment help; email is effective for straight-forward questions.

Credits: 4 credits, 4 hours/week of lecture.

ISBN 13 9781891389221

Supplemental Readings:
Classical Dynamics of Particles and Systems, Marion, Jerry R.
Mechanics, Symon, K. R.
Introduction to Classical Mechanics, Ayra, A.

Course Description: Physics 341 provides an introduction into the theoretical principles of classical mechanics. First, we explore particle dynamics based on Newton’s law of motion. Then we discuss particle dynamics in terms of the Lagrangian concept, which is based on energy concepts.

Grading Policy:

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<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
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<tr>
<td>Exam 1</td>
<td>25%</td>
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<tr>
<td>Exam 2</td>
<td>25%</td>
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<tr>
<td>Final</td>
<td>30%</td>
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<tr>
<td>Total</td>
<td>100%</td>
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The final grading for this course will be based on a curve, the average of which is usually taken to be the breakpoint of letter grade B- and C+, and the standard deviation of the grade point distribution will separate subsequent letter grades.

Homework:
On the average, homework problems will be assigned each week on Fridays. The homework will be due by 2:15 PM the following Friday. **All homework assignments must be turned in directly to me in class. No emailed or otherwise electronically-submitted assignments will be accepted.** Late assignments will be generally marked down as follows: late up to 1 day minus 10%, late up to 7 days minus 10% per one day late, after 7 days late minus 100%. The exceptions will be assignments due on November 30 that will **NOT** be accepted late.

Exams:
There will be two midterms (Oct 1 and Nov 5, 2:15-3:15 PM, REIC 207) and a final comprehensive exam (TBD). The first midterm will test the material covered in the first 5 weeks, and the second will test the material covered in weeks 6-10. The final will include material covered in chapters 1-15, with more weight on material covered after the second midterm.

Course Policies:
Attendance at lectures is expected. Active class participation, questions are extremely welcomed in the lectures. A missed exam will receive 0 credit unless the instructor is notified by email before the exam starts. Make-up exams will be individually scheduled with the student.
Student Code of Conduct:
You are expected to submit work that is your own and properly acknowledge the work of others. You are responsible for understanding and adhering to the Student Code of Conduct that is printed in the UAF Course Catalog. Abide by It. Violations of the Code will be reported to the Dean of Students.

Disabilities Services:
If applicable, it is your responsibility to arrange for these services. The UAF Center for Health and Counseling provides services for UAF students with disabilities to ensure equal access to educational opportunities. The Center's Disability Services Program ensures compliance with §504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. If you believe you are eligible for 504 and/or ADA accommodations, please contact them at 474-7043 (WHIT 203).