

# Welcome to Physics 100

**This class is a tour of the universe as seen by modern science. Physics 100 is designed for non-science majors. The course is conceptual and the use of mathematics will be limited.**

➤ motion

➤ Work

➤ Energy

➤ Gravitation

➤ Conservation of momentum and energy

➤ Constant acceleration motion

➤ Rotational motion

➤ Waves

➤ light

➤ electricity and magnetism

➤ nuclear forces

➤ Standard Model of particle physics

➤ The Big Bang

➤ Dark matter

➤ stellar evolution

➤ Special Theory of Relativity

➤ General Theory of Relativity

➤ Quarks, leptons, gluons, baryons, mesons, etc.

➤ cosmic microwave background

➤ quantum mechanics

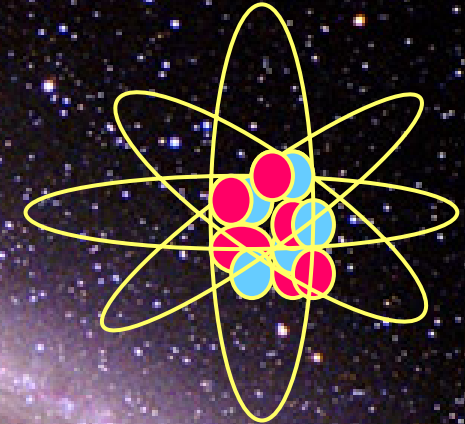
➤ Heisenberg's Uncertainty Principle

➤ radiation

➤ nuclear bombs

➤ etc.

**No previous physics instruction is assumed.**



**The intimate relationship  
between the very big and the  
very small**

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**[http://web.pas.rochester.edu/~manly/class/P100\\_2007F/](http://web.pas.rochester.edu/~manly/class/P100_2007F/)**

**Name**

**University ( @mail ... ) email address**

**Year: Fr/So/Jr/Sr?**

**Did you receive the email I sent yesterday to the class listserve? Yes/No If “No”, provide SID**

**Favorite midnight snack**

**Major/main career interest**

**Why you are in this course**

## Evaluation:

Scheme	Exam 1	Exam 2	Final exam	Present.	Recitation
1	---	32%	40%	20%	8%
2	32%	---	40%	20%	8%
3	24%	24%	24%	20%	8%

Each scheme calculated, best average sets  
your place on the numerical curve

I place grade boundaries on numerical curve