

Astronomy 596/496 APA

Lecture 11

Nov. 12, 2015

Today's Agenda

- ★ Colloquium Recap
- ★ Astro-Careers: Ethics
- ★ Colloquium Preview

Next week: All-Department workshop on fostering a climate of respect No homework was due today.

this past Tuesday: **Enrico Ramirez-Ruiz**, UC Santa Cruz

- “*Probing the Dark Universe with the Dark Energy Survey*”

Q: What was the talk about?

Q: Key/memorable results?

Q: What did you like about the presentation?

Q: Linger questions?

Q: Other comments?

Ethics

Ethics in Astronomy

Q: what ethical issues arise of your student/professional life?

Q: your responsibilities?

Q: your rights?

Q: what is a conflict of interest? What do you do when faced with one?

Ethics in Astronomy

Themes: Ethical, professional behavior demands

- honesty
- fairness
- respectful behavior to all

You have a **responsibility** to act ethically

You have a **right** to expect others to act ethically to you

Ethics in Astronomy

- Personal conduct
 - interactions with other students, faculty, and staff
- As a TA (i.e., you are in a position of power)
- With colleagues elsewhere
- In research setting
- In writing papers
- Use of funds
- Each party in an interaction has rights and responsibilities

Ethics in Personal Conduct

“Students enrolling in the University assume an obligation to conduct themselves in a manner compatible with the Universitys function as an educational institution and suitable to members of the academic community.”

conduct subject to discipline include:

- threats to health and safety of others
- conduct that violates the Universitys sexual misconduct policy
- ↘ ● academic integrity (i.e., avoiding cheating, plagiarism)

Anti-Harassment

Illinois and in Astronomy, a safe working environment is the highest priority.

This department will not tolerate sexual harassment, by anyone, towards anyone.

we urge reporting of sexual harassment or suspected harassment via any of these channels:

- the department chair
- ∞ ● any other faculty

Reporting channels, continued:

- Office of Diversity, Equity, and Access/Title IX Office

www: <http://diversity.illinois.edu>

online reporting:

https://uillinois-gme-advocate.symplicity.com/public_report

or directly email M.T. Hudson: mthdsn@illinois.edu

- campus site for Sexual Misconduct Support, Response, and Prevention

where one can seek information as well as report, including anonymously:

www: <http://wecare.illinois.edu>

More information next week

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on what is harassment, how to prevent it, myths/misunderstandings responsibilities as TA, etc.

Research Ethics

Q: regarding data and results?

Q: regarding authorship?

Q: regarding acknowledgment?

Q: what if you realize your paper has an error?

Research Ethics

data and results: maintained in form allowing review, analysis, and reproducibility

fabrication and/or selective reporting with intention to mislead are unethical

honest errors occur, but must be acknowledged and corrected

authorship: should be offered to everyone who has significantly contributed

not people who have not significantly contributed

≠ acknowledgment: proper acknowledgment of other work
deliberate omission is unacceptable

Plagiarism

Q: what is plagiarism?

Q: why is plagiarism a very serious infraction at Illinois and in Science?

Q: what if you were confused about the rules?

Q: what are penalties for plagiarism?

Q: what can you do to avoid plagiarism?

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Avoiding Plagiarism

- **always write in your own words**
- **do not directly quote other text**
except in rare circumstances, and then clearly documented
if you can't say it in your own words, you don't understand it
- **remove all other text (books, windows)**
from your field of view when you are writing
- **it doesn't matter that someone else said it better**
you have to say it in your own words

Ethics Resources

On campus:

- your advisor
- grad advisor
- Dept. Chair
- Grad College
- Office of Diversity, Equity, and Access
- Ethics Office

AAS

- online resources linked in todays page

Colloquium Preview

Next week, Nov. 17: **Dan Kasen**,

“The Electromagnetic Counterparts to Compact Object Mergers”

Some background: gamma-ray bursts

www: GRB phenomenology lecture from NPA 2009

Q: Which compact object mergers? Hint—this week’s colloquium

Q: What are consequences of NS-NS mergers?

Q: What’s a kilonova?