



Research Misconduct

(Serious, Deliberate Dishonesty)

Necessary Failures:

- Understanding of risk of <u>Bias</u>
- Data Management (incl. Recordkeeping)
- Authorship (Credit and Responsibility)
- Understanding of meaning of <u>Publication</u>
- Collaboration (Transparency, Openness)
- Peer Review
- Whistleblowing roles and responsibilities

Track 3: Training for Responsible Research

Goals:

What are we trying to accomplish?

Audiences:

Who should be taught?

Settings:

Where should this be taught?

Tools:

How can we best teach in this area?

Topics:

What should be covered in our teaching?

Goals: What are we trying to accomplish?

Knowledge

Ethics, rules & regulations, methods of science, resources

Skills

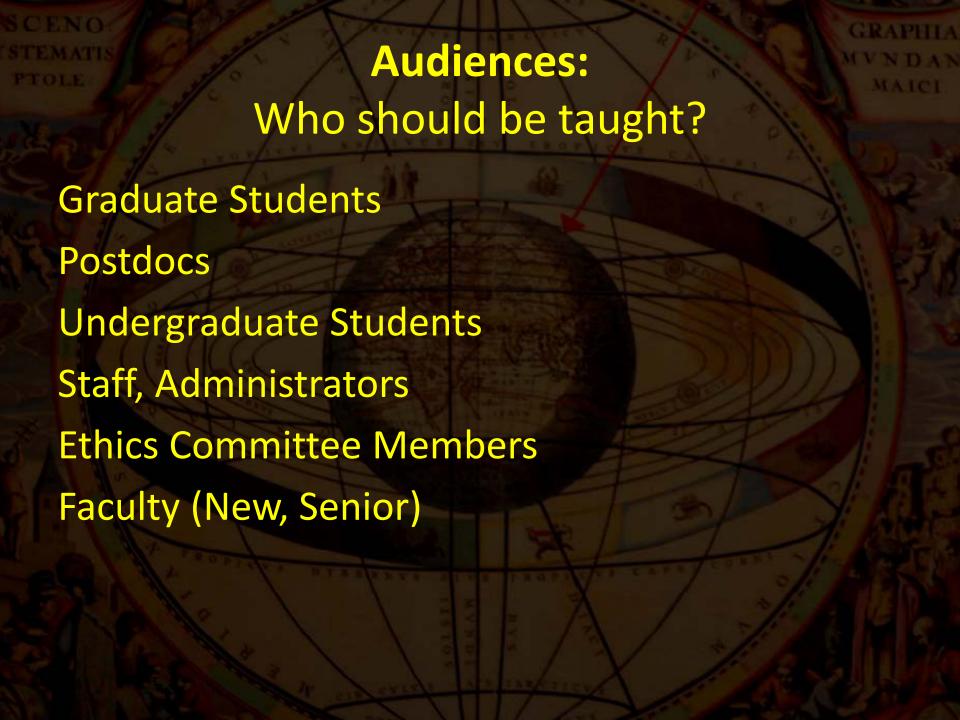
Ethical decision-making, problem solving, communication

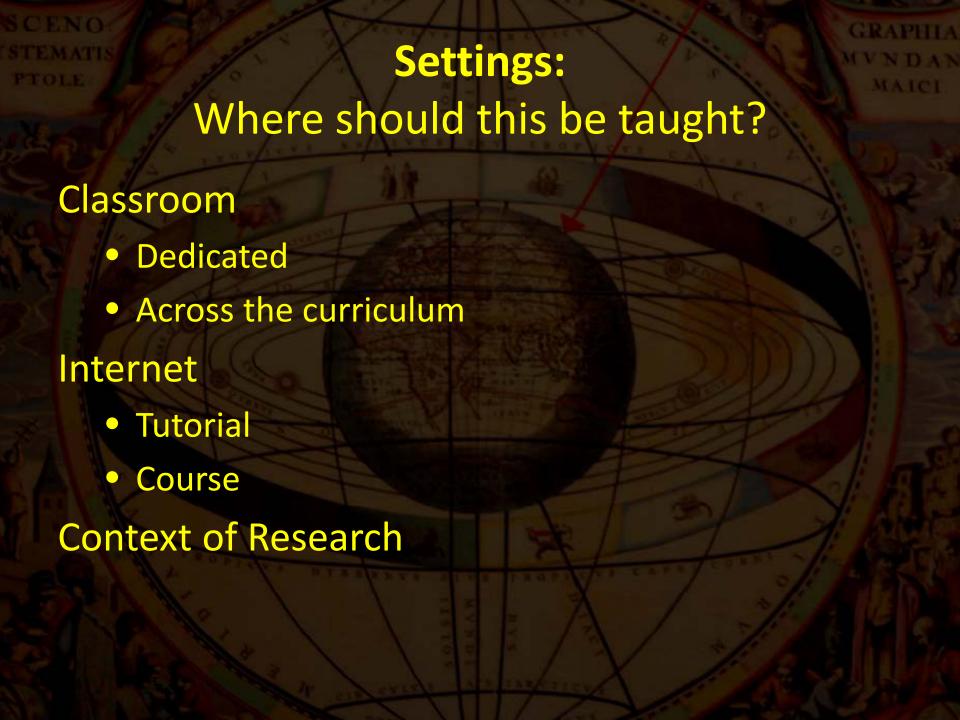
Attitudes

Importance, responsibility

Behavior

High standards, effective communication, no research misconduct





Tools:

How can we best teach in this area?

Case Studies

Role Playing
Debates
Email Discussion
Video
Question-based lectures
Surveys

Journal Publications
Literature
Current events
Student Teaching
Guest Faculty
Textbooks

Topics:

What should be covered in our teaching?

General Topics

Data Management

Conflict of Interest and Commitment

Collaboration

Authorship

Publication

Peer Review

Mentoring

Social Responsibility

Research Misconduct

Questionable conduct of research

Asking Questions

Dispute Resolution

Whistleblowing

Specific Topics

Human Subjects

Animal Subjects

Stem Cells

Dual Use Technology

Environmental Protection

Computational Biology

Computers and Information

Technology

High Energy Physics

Cultural Anthropology

Proposed Track 3 Outcomes

For possible goals, audiences, settings, tools, and topics:

- Identify areas of multi-national agreement
- Articulate areas of significant disagreement
- Identify evidence-based best practices
- Propose mechanisms for creating or facilitating multi-national collaborations to address areas of common interest

Further Information: http://research-ethics.net