

Ethics Education Inventory

Survey Results University of Cincinnati

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The Graduate School
University of Cincinnati

Contents

- Context and Overview
- Inventory Survey Results
 - Orientation
 - Training
 - Resources
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University of Cincinnati

Graduate School Profile:

10 Graduate Colleges

- 67 Doctoral Programs
- 85 Master's and Professional Programs

9,200 Graduate Students

- 17% International
- 2,300 Doctoral Students
- 2,200 Distance Learning

\$443 Million in Research Funding for FY 2010

Professional Ethics Education

What is the “appropriate level” of training and oversight at UC?

- ✓ Compliance minimums defined and implemented
- ✓ Established Office of Research Compliance Training
- **Opportunity to Elevate Quality of Scholarship & Graduates?**

Beyond Compliance

- Columbia: University climate assessment (12,500)
- MIT: “Context Program” integrated with design capstone
- U of Miami, FL: 8 contact hour course with case studies
- Emory: Awards for development of curriculum or events

National Conversation – NSF Perspective

Why are we Concerned?

- 75% of high school students admitted to cheating
- 61% of undergraduates admitted to cheating
- 30% or more of researchers admitted to “questionable practices”

Misconduct increasing since 1988

- Allegations increased 3 fold
- Actions increased 16 fold

Institutional Responsibility (as of January 4, 2010)

- “...must have a plan in place to provide appropriate training and oversight...”

Shadow Scholar

The screenshot shows a Microsoft Internet Explorer browser window displaying a Google search for "help with thesis paper". The search results page includes a sidebar with navigation options like "Everything", "Images", "Videos", "News", and "Shopping". The main content area shows several search results, including advertisements for "Need Thesis Advice?", "Thesis Help Pro", and "Help with Research Paper". Organic search results include "Dissertation and Thesis Writing Services", "Purdue OWL: Creating a Thesis Statement", "Thesis Statements", and "Tom March :: Thesis Builders". A right-hand sidebar contains additional advertisements for "Need Help with Paper?", "Best Thesis/Dissertation", "help with thesis", "Private Dissertation Help", "Assignment Help by Expert", "Stuck? Get thesis help", and "Custom Paper Services". The browser's address bar shows the URL "http://www.google.com/#hl=en&...".

Google: "help with thesis paper"

Shadow Scholar

Thesis Writing, Custom Theses Help - ThesisDom - Microsoft Internet Explorer provided by University of Cincinnati

http://www.thesiswritingadvice.net/

Thesis Writing, Custom Theses Help - ThesisDom

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ThesisDom

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Shadow Scholar

The screenshot shows the ThesisDom website in a Microsoft Internet Explorer browser. The page is titled "Price Plan - ThesisDom" and features a navigation bar with various links. A prominent banner at the top offers an "EXCLUSIVE 15% Discount NOW!" with "Learn more" and "Order Now" buttons. Below this, the "Fee Structure" section explains that the service is inclusive of various free features. A dropdown menu allows users to select their desired writing service, currently set to "Custom Writing Service". The main content is a table with columns for "UnderGraduate", "Master", "Specialized", and "PhD", and rows for different delivery times: "2 months", "30 days", "20 days", "10 days", "7 days", "5 days", "3 days", and "48 hours". The price per page for a PhD thesis is \$24.30. To the right of the table, there are sections for "FREE PRODUCT FEATURES" (Paper Outline, Title Page, Bibliography, Formatting & Citation, Paper in PDF Format) and "FREE SERVICE FEATURES" (Free Order Management, Free Support Plan Add-On, Free E-Guides). A "Live Chat Now" button is visible on the left side of the page.

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FREE SERVICE FEATURES

- Free Order Management
- Free Support Plan Add-On
- Free E-Guides

Fee Structure
Thesis Dom provides original and customized thesis writing services which is inclusive of various **Free** features.

Select Your Desired Writing Service: Custom Writing Service

	UnderGraduate	Master	Specialized	PhD
2 months	\$20.56 per page	\$22.43 per page	\$23.37 per page	\$24.30 per page
30 days	\$21.50 per page	\$23.37 per page	\$24.77 per page	\$26.17 per page
20 days	\$23.37 per page	\$25.24 per page	\$26.64 per page	\$28.04 per page
10 days	\$24.30 per page	\$26.17 per page	\$27.57 per page	\$28.98 per page
7 days	\$26.17 per page	\$28.98 per page	\$30.85 per page	\$32.72 per page
5 days	\$27.11 per page	\$29.91 per page	\$31.78 per page	\$33.65 per page
3 days	\$28.98 per page	\$31.78 per page	\$33.65 per page	\$35.52 per page
48 hours	\$34.59 per page	\$37.39 per page	\$39.26 per page	\$41.13 per page

YES! We provide original papers with GUARANTEED best quality!

PhD thesis \$24.30 / page

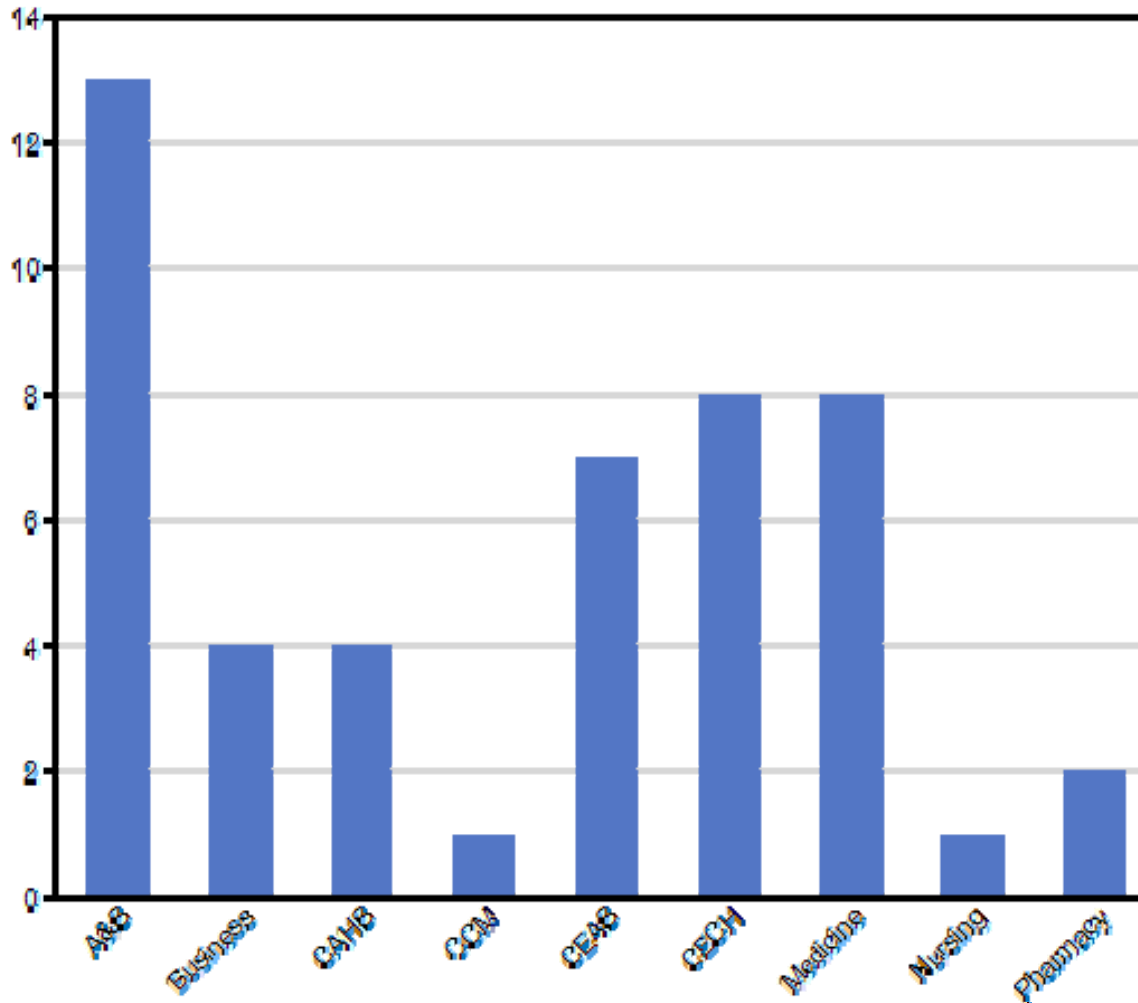
Inventory Survey

- CGS Inventory Survey
- GPDs & Associate Deans in Nov 2010
- Focus on collecting department-level information



Number of Responses by College

All Graduate Program Directors and Associate Deans were asked to complete this survey.



48
Responses

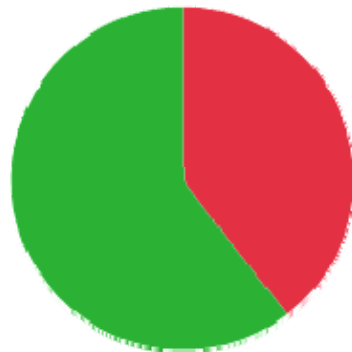
56%
Response Rate

* It was noted that this survey was not deemed appropriate for CCM and DAAP based on a lack of inclusiveness in the wording of each question.

Orientation

Question: Does your college/department/program discuss research and scholarly integrity in orientation for:

New Graduate Students



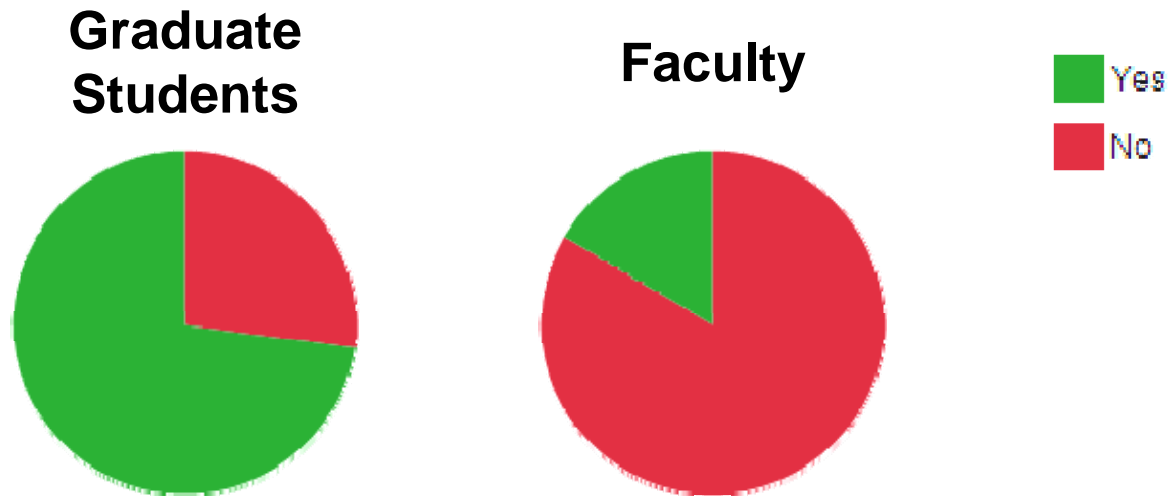
New Faculty



"I think this is appropriate for us to add to our already extant orientation activities in the fall."

Training

Question: Does your department/program require some component(s) of training in research and scholarly integrity for:



“For economy of scale and uniformity in message, this should be a college responsibility, not a department obligation.”

Resources - Graduate Students

Question: How do your Graduate Students learn about the following research and scholarly integrity topics?

	Advisor or Mentor	Courses	Workshops	Printed materials	Web-based materials	No Resource	N/A
Data acquisition, management, sharing and ownership	78%	65%	15%	22%	35%	7%	7%
Conflicts of interest and commitment	78%	63%	15%	22%	37%	9%	4%
Use of human participants in research	69%	64%	13%	20%	47%	2%	18%
Use of animals in research	29%	24%	7%	7%	22%	0%	60%
Use of hazardous substances	36%	29%	9%	13%	24%	4%	53%
Research misconduct	76%	74%	15%	17%	37%	7%	4%
Publication practices and responsible authorship	78%	74%	20%	17%	20%	7%	4%
Mentor and trainee responsibilities	76%	46%	15%	17%	17%	11%	7%
Peer review	76%	58%	18%	11%	16%	9%	7%
Collaborative research	76%	48%	17%	11%	15%	9%	7%
Personnel Management	62%	20%	7%	4%	9%	11%	27%
Financial Stewardship	69%	27%	13%	4%	9%	13%	16%
Average	67%	49%	14%	14%	24%	7%	18%

“Orientation for new graduate students covers these topics, albeit briefly.”

Resources - Faculty

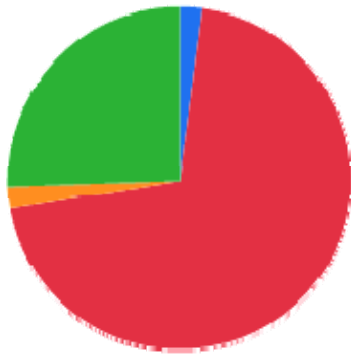
Question: How do your Faculty learn about the following research and scholarly integrity topics?

	Independent Research	Workshops	Printed materials	Web-based materials	No Resource	N/A
Data acquisition, management, sharing and ownership	65%	20%	22%	30%	17%	4%
Conflicts of interest and commitment	54%	24%	26%	37%	13%	7%
Use of human participants in research	46%	33%	28%	52%	4%	17%
Use of animals in research	24%	20%	11%	20%	2%	62%
Use of hazardous substances	32%	23%	14%	27%	2%	50%
Research misconduct	56%	20%	31%	40%	16%	2%
Publication practices and responsible authorship	65%	17%	24%	26%	15%	2%
Mentor and trainee responsibilities	63%	17%	20%	15%	17%	9%
Peer review	78%	15%	24%	20%	11%	0%
Collaborative research	76%	17%	20%	15%	15%	0%
Personnel Management	59%	14%	14%	14%	23%	14%
Financial Stewardship	57%	24%	11%	15%	26%	4%
Average	56%	20%	20%	26%	14%	14%

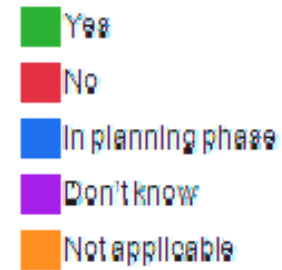
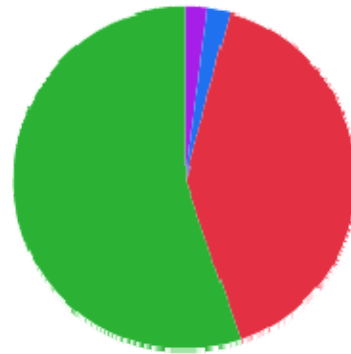
“Our faculty seem to “learn as they go” through our interactions with our professional colleagues.”

Department Involvement

Committee



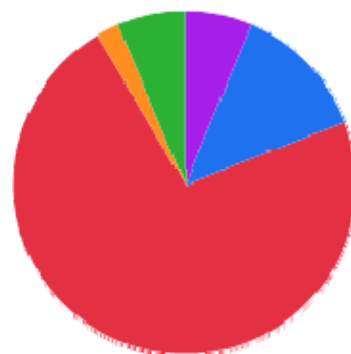
Policy



Forums



Website



Discussion



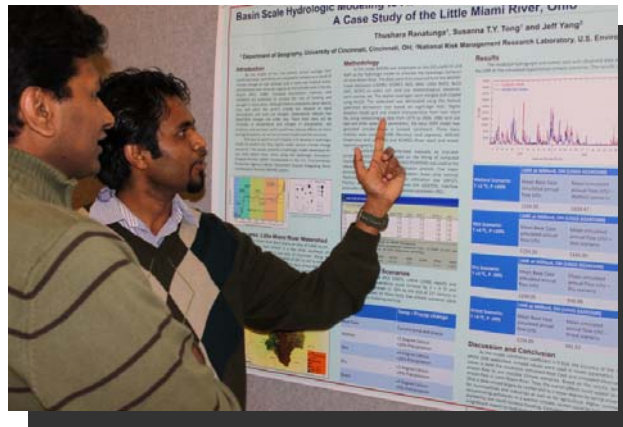
Conclusions

Training and Orientation

- Graduate student training reported in most departments
- Training focused on meeting compliance requirements
- For faculty, virtually no training or orientation outside compliance

Resources

- For graduate students, most prevalent is the student's advisor/mentor
- For faculty, most prevalent is independent research



Conclusions, cont.

Department Involvement

- Committee level involvement in professional ethics education is important
- Explanation of ethical conduct / policies is reactionary
- Workshops, difficult discussions, etc. good way to deliver ethical education
- Information on websites lacking



Lessons Learned

Survey Application

- Keep question wording consistent for comparability
- Create “identifier questions” to enable data stratification
- Encourage participation
- Solicit future involvement in process

Analysis of Survey Results

- Comments very insightful to explain trends and outliers
- Leverage external data for greater extrapolation of survey results
- Utilize detailed results as discussion tool to solicit input
- Use conclusions to drive change

Next Steps

✓ Faculty Engagement a Priority

- Emphasize not compliance driven
- Emphasize impact on quality of research
- Emphasize impact on quality of graduates

✓ Inventory Survey Priorities

✓ Administer Climate Survey

✓ Graduate School Committee on Ethics Education

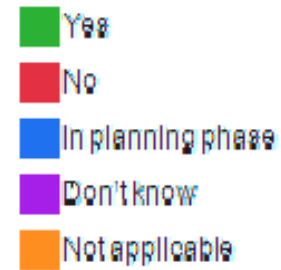
- Faculty leadership
- Staff support from Graduate School
- Analyze resources and climate data
- Review literature on ethics education
- Benchmark current best practices
- Recommendations to Graduate Council
- Assess Progress

Priorities

Committee



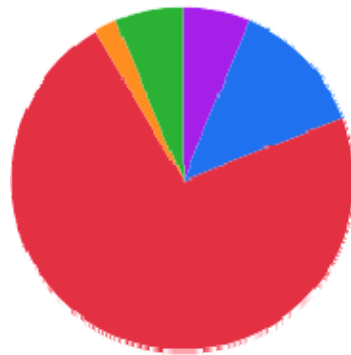
Policy



Forums



Website



Discussion



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For Committee Consideration

- **Communication and Awareness**
 - Online Resources
 - Social Media
 - Student Handbook
 - Departmental Committee Responsibility
- **Curriculum**
 - Define Key Principles for Ethics Education
 - Integration in Existing Courses
 - Discipline-Specific Case Studies and Seminars
 - Required Thesis/Dissertation Discussion
 - Advisory Panel

For Committee Consideration

- **Assessment**
 - Graduate Program Director Annual Review
 - Graduate Program Review
 - New Program Development
 - Reappointment Promotion & Tenure Criteria
- **Graduate School /Research Office Support**
 - Central Resource to Teach Key Principles
 - Compliance Training
 - Grants for Research on Ethics Education
 - Grants for Innovative Programs
 - Recognition and Awards

Web Resources

- CGS <http://www.scholarlyintegrity.org/>
- Association for Practical & Professional Ethics www.indiana.edu/~appe
- Resources for Research Ethics Education <http://research-ethics.net/>