Managing the IST Honors Thesis Project

Dr. Glantz

https://www.shc.psu.edu/academic/thesis/
RESOURCES

IST EXAMPLES
- https://honors.libraries.psu.edu/search/

IST RESEARCH CONSULTANT: CARMEN COLE
- https://libraries.psu.edu/directory/ccc143
- Office hours, Thursday, ~noon, outside 2nd floor IST classrooms; 3rd floor Paterno Library

IST THESIS GUIDE

SHC DUE DATES
- https://www.shc.psu.edu/academic/resources/dates.cfm

SHC WORD TEMPLATE
- http://sas.psu.edu/penn-state-thesis-template/

THESIS STATEMENT
- https://owl.english.purdue.edu/owl/owlprint/588/

SUGGESTED
1. DIIGO: Browser extension for scanning literature...
2. MENDELEY: Word plugin, citation manager
# Graduating Scholar Deadlines

**ACTUAL DATES**: [https://www.shc.psu.edu/academic/resources/dates.cfm](https://www.shc.psu.edu/academic/resources/dates.cfm)

**FORMAT REVIEW**: [https://www.shc.psu.edu/academic/thesis/formatting.cfm](https://www.shc.psu.edu/academic/thesis/formatting.cfm)

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<th>Est. Dates</th>
<th>SPRING</th>
<th>SUMMER</th>
<th>FALL</th>
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<tr>
<td>Thesis Proposal (Yr0)</td>
<td>1st Friday, Apr.</td>
<td>3rd Friday, Jul.</td>
<td>Nov. 15</td>
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<td>Mandatory Thesis Format Review (Yr1)</td>
<td>1st Friday, Mar.</td>
<td>2nd Monday, Jul.</td>
<td>1st Monday, Nov.</td>
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<td>Final Thesis Submission Deadline (Yr1)</td>
<td>2nd Monday, Apr.</td>
<td>4th Friday, Jul.</td>
<td>2nd Monday, Nov.</td>
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<td>Medals Ceremony (Yr1)</td>
<td>Friday, Finals Week</td>
<td>Saturday, Finals Week</td>
<td>Friday, Finals Week</td>
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IST THESES EXAMPLES

1. Samantha Weirman: Perceptions Of Cyber Risk Held Among Undergraduate Students Pursuing A Security And Risk Analysis Or An Information Sciences And Technology Major Or Minor
   - [https://honors.libraries.psu.edu/paper/1939/](https://honors.libraries.psu.edu/paper/1939/)

2. Colleen Shea: #PSURiot: The Influence of Social Media on the Paterno Riot
   - [https://honors.libraries.psu.edu/paper/17977/](https://honors.libraries.psu.edu/paper/17977/)

3. Renee Stepler: The Threat of Madrassas: An Evaluation of the Role of Islamic Education in Jemaah Islamiyah Terrorist Attacks in Indonesia
   - [https://honors.libraries.psu.edu/paper/1577/](https://honors.libraries.psu.edu/paper/1577/)

4. Dodge, Benjamin: Classrooms Unlocked: A software prototype for searching classroom availability in the Information Sciences and Technology Building
   - [https://honors.libraries.psu.edu/paper/17889/](https://honors.libraries.psu.edu/paper/17889/)

5. Jason Frederick: Advancements in Digital Imaging and Photographic Applications: A Focus on Human Emotion and Intent Driven Communication
   - [https://honors.libraries.psu.edu/paper/19149/](https://honors.libraries.psu.edu/paper/19149/)

6. Darin Carter: Mobile Application Design to Encourage Civic Engagement
   - [https://honors.libraries.psu.edu/paper/21668/](https://honors.libraries.psu.edu/paper/21668/)

7. Nicole Cardell: Improving Analysis Results Within the U.S. Intelligence Community
   - [https://honors.libraries.psu.edu/paper/21581/](https://honors.libraries.psu.edu/paper/21581/)

8. Cory Lee: Cyber Crime: Analysis of Offending Patterns and Offender Characteristics with Special Emphasis on Women
   - [https://honors.libraries.psu.edu/paper/14392](https://honors.libraries.psu.edu/paper/14392)

9. Will Ayd: Manufacturing Trends In The German Automotive Industry
   - [https://honors.libraries.psu.edu/paper/1138](https://honors.libraries.psu.edu/paper/1138)
THE PROJECT PLAN

To earn this, you must want this...
1st - FINAL DELIVERABLE IS?
A PROJECT MANAGEMENT APPROACH

- Written paper...
- Drafts, revisions
  - Time between iterations
- Meeting Lags
  - Traveling student, faculty, etc.
- Two Signatures: Honors Supervisor, Honors Reader
  - Time for reading
- Electronic/hard copy submissions

What else?

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WORK BREAKDOWN STRUCTURE (WBS)
A PROJECT MANAGEMENT APPROACH

FINAL DELIVERABLE
- Written thesis that meets Honors Advisor, Reader, and Schreyer (i.e., formatting) requirements, PLUS signed signature-page
  - Paper outline?

MILESTONES
- Final deliverable sub-elements provide:
  1. Motivation
  2. Progress Indicator

STRATEGIES
- Plan ahead, coordinate in advance
- Parallel tasks, when possible
- Be practical, realistic (e.g., IRB)…
1. Count beginning this week...
2. Target format review (why?)
3. Use breaks effectively
4. Use IST489H effectively

Apply SHC Due Dates

TARGET CALENDAR: ~52 WEEKS

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~52 Weeks
MILESTONE EXAMPLES

- **APRIL Yr1**: Submit final thesis for Schreyer Review; submit signature page
- **MARCH Yr1**: Submit final thesis to Thesis Advisor & Reader w/signature page
  - Coordinate one-week turnaround; use following week for revisions/review
- **DECEMBER Yr0**: Submit draft thesis to Honors Thesis Advisor
  - Coordinate one-week turnaround; use following week for revisions/review
- **DECEMBER Yr0**: Write Future Research (optional), and Conclusions
- **SEPTEMBER-DECEMBER Yr0**: Collect/analyze data
- **JULY Yr1**: Proof data collection instruments, pre-write final paper
- **MAY-JUNE Yr0**: Write Literature Review, and Research Methodology (Word, Thesis template, Mendeley tools)
- **APRIL Yr0**: Write Research Proposal, get Honors Thesis Advisor approval
- **SPRING Yr0**: Craft Thesis Statement w/Honors Thesis Advisor
- **SPRING Yr0**: Select Research Topic, and begin Reviewing Literature (Diigo browser tool)

**TIPS**: 1) Outline paper, before writing. 2) Write draft of final paper before data collection (e.g., as needed, insert comment “to be completed later”…), 3) “Simmer” paper 48 hours minimum before attempting to proof

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**SHORT CALENDAR: ~16 WEEKS**

Apply **SHC Due Dates**

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**TIME-CONSTRAINED PROJECT**

1. Count beginning this week...
2. Target format review
3. Use breaks effectively

**PRINT:** http://www.timeanddate.com/calendar/
~16 Weeks
MILESTONE EXAMPLES

- **WEEK 16**: Submit final thesis for Schreyer Review; submit signature page
- **WEEK 14**: Submit final thesis to Thesis Advisor & Reader w/signature page
  - Coordinate one-week turnaround; use following week for revisions/review
- **WEEK 12**: Submit draft thesis to Honors Thesis Advisor
  - Coordinate one-week turnaround; use following week for revisions/review
- **WEEK 10-11**: Write Future Research (optional), and Conclusions
- **WEEK 08-09**: Collect/analyze data
- **WEEK 07**: Proof data collection instruments
- **WEEK 04-06**: Write Literature Review, and Research Methodology (Word, Thesis template, Mendeley tools)
- **WEEK 03**: Write Research Proposal, get Honors Thesis Advisor approval
- **WEEK 02**: Craft Thesis Statement w/Honors Thesis Advisor
- **Week 01**: Select Research Topic, and begin Reviewing Literature (Diigo browser tool)

*TIPS*: 1) Less idle time/lag, 2) Reduced scope options (IRB?)
YOUR RESEARCH PROPOSAL

Short Map/Plan

INTRODUCTION
- Topic area
- Thesis/research question
- Importance/significance to knowledge

LITERATURE REVIEW
- Previous research, others & yours
- Interlocking findings and unanswered questions “bridge”
- Your preliminary work on the topic
- The remaining questions and inter-locking logic (i.e., “bridge”)
- Reprise of your research question(s) in this context

METHODOLOGY
- Timeline
- Approach
- Data needs
- Analytic techniques
- Plan for interpreting results

EXPECTED RESULTS

BUDGET (if needed)

REFERENCES

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http://www2.hawaii.edu/~matt/proposal.html
YOUR RESEARCH PAPER
Template/Outline

INTRODUCTION
- Topic area
- Thesis/research question, and high-level finding/outcome
- Importance/significance to knowledge

LITERATURE REVIEW
- Previous research, others & yours
- Interlocking findings and unanswered questions
- Your preliminary work on the topic
- The remaining questions and inter-locking logic
- Reprise of your research question(s) in this context

METHODOLOGY
- Approach
- Data needs
- Analytic techniques
- Process used to interpret results

RESULTS

DISCUSSION AND CONCLUSIONS

REFERENCES

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• http://www2.hawaii.edu/~matt/proposal.html
• http://sas.psu.edu/penn-state-thesis-template/
• https://www.shc.psu.edu/academic/thesis/formatting.cfm
OTHER RESOURCES

- APA GUIDE: Purdue OWL (in-text, end-of-paper)
  - https://owl.english.purdue.edu/media/pdf/20110928111055_949.pdf

- APA TOOL: KnightCite (in-text)

- RESEARCH GUIDE ONLINE, OUP (3e)
  - http://global.oup.com/uk/orc/busecon/business/brymanbm3e/

- RESEARCH TEXT ONLINE, OUP (2e)
  - https://books.google.com/books?id=vpqjq4l9KGM&printsec=frontcover#v=on epage&q=&f=true

- WRITING RESEARCH GUIDE (Glantz)

- WRITING STYLE GUIDE (Glantz)