

# Using Library Resources and Basic Rules of Ethical Scientific Conduct

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Science Librarians at the Marston Science Library**

Why are we scientists?

What is ethics?

What are some examples of non-ethical behavior?

Pattium Chiranjeevi (2008)

Bengu Sezen (2010)

Samim Anghaie (2011)

# How do you define plagiarism?

*Using someone else's ideas or works without acknowledging or citing them properly*

## Why do people plagiarize?

- *not interested in the project or lack time to complete it thoroughly*
- *not comfortable/knowledgeable with the topic*
- *don't know the rules for citing properly*

# UF Honor Code

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

## (3) VIOLATIONS OF THE STUDENT HONOR CODE.

- (a) **Plagiarism.** A student shall not represent as the student's own work all or any portion of the work of another. Plagiarism includes but is not limited to:
1. Quoting oral or written materials including but not limited to those found on the internet, whether published or unpublished, without proper attribution.
  2. Submitting a document or assignment which in whole or in part is identical or substantially identical to a document or assignment not authored by the student.

Online: <http://www.dso.ufl.edu/sccr/honorcode.php> (Accessed: March 28, 2012)

# What is expected of you?

Develop a topic based on earlier work

**BUT:** *write your own ideas*

Rely on experts' opinions

**BUT:** *analyze, improve on, or disagree with them*

Give credit to others' work

**BUT:** *include your own contribution*

Keep others' ideas intact and in context

**BUT:** *use your own words*

***Yes, this is hard!***



# Types of Plagiarism

- Stealing
- Insufficient Paraphrasing
- Patchwriting
- Misquoting
- Duplicating Publication

# Stealing

*This is exactly what it sounds like!*

If you take an idea, a sentence, or even a unique turn of phrase, and pass it off as your own, this is stealing.

Getting someone else to write your paper, and borrowing or buying a paper, are also types of stealing.



# Insufficient Paraphrasing

Taking an author's words and changing them slightly, without quoting the actual text, is plagiarism.

The point of paraphrasing is to prove that you understand an idea well enough to express it in your own terms.

*Say it entirely in your own words, or put the author's text in quotes. In either case, cite the source.*

# Patchwriting

Using words and phrases from a source text (that may or may not be acknowledged), and patching them together into new sentences.

*When is a mashup considered your own creative work? When is a mashup just a patch of other people's creative efforts?*

*Be sure to cite all segments used!*

# Misquoting

When you quote another author in your own work, always be sure to quote *exactly* what was said.

Direct quotes are when you use an author's exact words.

Indirect quotes are when you report the spoken or written words of an author, but not his/her exact words.

*All must be cited!!*

# Duplicating Publication

You can not reuse/recycle your own paper for use in another assignment without *explicit* permission from the instructor (for class assignments).

Most journals also prohibit you from submitting the same work more than once or to multiple journals at the same time.

*If you cite your previous works, remember to cite yourself!*

**One Important Note: Most journals WILL allow you to use published papers in your thesis or dissertation. Depending on the publisher, you may need to inform them and acknowledge the original publication in your thesis.**

# Plagiarism: How to avoid it

# Why we cite

- To build context for yourself and for your readers
  - to show that you have investigated the topic
- To verify facts
- To track the evolution and influence of ideas across scholars, cultures, and time
  - to create a foundation for your opinions
- To distinguish between your ideas and someone else's
- To enable your reader to easily track your source material, whether to verify it or to find more info

# Best practices (1)

- Quote sparingly but precisely. Cite all quotations.
- Cite all sources that you have paraphrased or summarized.
- Cite all ideas that you borrowed.
- Cite anything that came from a source created by someone else: photos, audio or visual media, performances, maps, data tables, web pages, electronic databases, software programs, etc.

# Best practices (2)

- Follow the style manual or citation structure required.
- Document your sources as you do your research.  
(Use RefWorks or EndNote Web)
- Attend library workshops on Endnote or RefWorks to manage your citations
- Get writing help at the Reading & Writing Center.
- Use a service such as iThenticate:  
<https://lss.at.ufl.edu/help/IThenticate>
- ASK YOUR LIBRARIAN 😊



# Citing “common knowledge”

Stats or data that can be easily found in several ordinary sources (and do not vary) do not have to be cited.

Judgment call: recognizing indisputable facts as well as knowing your audience’s knowledge base

*Not sure? Ask your advisor!*

# Case Studies

# Is this plagiarism?

NY Times, April 26, 1987:

[New Zealanders thrive on U.S. sheep shearing](#)

*With a **heave**, **John Burt** pulled the sheep on its back and pinned it between his legs. Then, reaching for his clippers, he went to work.*

---

Gazette (Colorado Springs), June 6, 2009: *[It's time for Colorado's sheep to get a trim](#)*

*With a **little persuasion**, **Bob Schroth** pulled the sheep onto its back and pinned it between his legs. Then, reaching for his clippers, he went to work.*

From Editor's note: a breach of trust, by Jeff Thomas, Gazette, July 7, 2009. Online at <http://www.gazette.com/articles/gazette-58112-stories-four.html>

# Is this acceptable paraphrasing?

**Original text:** Haefele et al. (2002) also found that “results for indigenous supply of N, P, and K were variable and no significant relation between indigenous nutrient supply and soil type, cropping intensity or dominant texture group could be detected.”

**Re-write:** Haefele et al. (2002) did not find a significant relationship between indigenous N, P, and K supply and soil type, cropping intensity or dominant texture group.

# Is this acceptable paraphrasing?

Stephen finds the following information in an article written by Smith, 1982:

“Chemical dependence is present in at least one-third of the families who come to the attention of child welfare authorities.”

---

In his paper he writes:

Chemical dependency is an issue in at least one-third of the families who come to the attention of child welfare authorities (Smith, 1982).

# Is this plagiarism?

For instance, Rivenburg wrote:

"Indeed, with the exception of furniture and major appliances, it is possible to outfit **an entire** home in Christian products - bird feeders to body lotions, luggage to lamps."

Twitchell in "Shopping for God" wrote:

"Indeed, with the exception of furniture and major appliances, it is possible to outfit **your entire self and** home in Christian products - bird feeders to body lotions, luggage to lamps."

## **UF professor who plagiarized retires**

**By Cindy Swirko**  
Staff writer

*Published: Friday, January 16, 2009 at 6:01 a.m.*

*Last Modified: Thursday, January 15, 2009 at 10:34 p.m.*

A University of Florida professor who was suspended Dec. 31 for acknowledging last year that he plagiarized the work of others has retired after a 35-year career at UF.

# Discussion

- I removed data points to make my results graph look better. I don't discuss those data in my paper, so it's okay.
- I combined the findings of 8 sources into one paragraph, but I don't need to cite because the compilation is my own work.
- Someone else on my project plagiarized. Since it was his section, my advisor won't hold me responsible.

# Helpful Resources

1. Become aware of common mistakes
2. Familiarize yourself with tools to avoid those mistakes
3. Find reliable resources and work on writing (and presentation!) skills



[http://www.at.ufl.edu/rwcenter/students/writing\\_assist.html](http://www.at.ufl.edu/rwcenter/students/writing_assist.html)

## Reading & Writing Center

Last updated: February 8, 2011

### Welcome

- [Home](#)
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- [Hours and Location](#)
- [Calendar of Events](#)
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- [Writing Assistance](#)
- [Video Resources](#)
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- [FAQ](#)

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### How can we help you improve your writing?

For current UF students wishing to improve their writing skills, we provide individual assistance that aims not just to improve papers but also to help you become a better writer. Writers of all levels can visit us at any stage of the writing process.

#### Tutors can help you:

- brainstorm and generate drafts
- organize and focus ideas
- improve revision, editing, and proofreading skills
- learn to consider and accommodate audience

#### Projects that you can receive feedback on at RWC include but are not limited to:

- ENC 1101 and 1102 essays
- research papers
- application essays
- thesis and dissertation drafts
- lab reports

You may also visit [links](#) to online writing resources. If the answer isn't on our website, stop by the RWC for a meeting with a tutor.

Remember, tutors are here to help you become a more confident writer!

# Helpful Links on Marston Science Library Website

The screenshot shows the Marston Science Library website. At the top, it features the George A. Smathers Libraries logo and the University of Florida logo. A navigation bar includes links for Home, Contact Us, and Hours. Below this is a secondary navigation bar with links for How Do I, Services, Subjects, Resources, About Us, and Search. A large banner image of the library building is displayed. The main content area is divided into three columns. The left column, titled 'SUBJECTS', lists various disciplines, with 'Workshop Guides' circled in red and a red arrow pointing to it. The middle column, titled 'SEARCH', contains two search boxes: 'Library Catalog' and 'OneSearch (beta)'. The right column shows the date 'Wednesday, November 30, 2011' and a 'MY ACCOUNT' section with links for Library News, MSL Twitter, Register for Workshops, Off Campus Access, Renew Your Books, Interlibrary Loan, Course Reserves, EndNote Web, and RefWorks. A 'Print From Your Laptop' section with a laptop image is also present. The footer contains copyright information and contact details.

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How Do I | Services | Subjects | Resources | About Us | Search

MARSTON SCIENCE LIBRARY

Wednesday, November 30, 2011

**SUBJECTS**

- Agriculture
- Biological Sciences
- Chemical & Physical Sciences
- Engineering
- Mathematics & Statistics
- Course Guides
- Workshop Guides**
- Program Guides

**SEARCH**

**Library Catalog** (Books, Journals, Videos, & more)  
Anywhere    
Advanced Search

**OneSearch (beta)**  
Search the catalog and more.    
About | Feedback | Search Tips | Advanced Search

- Science Databases
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Library News  
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**MY ACCOUNT**

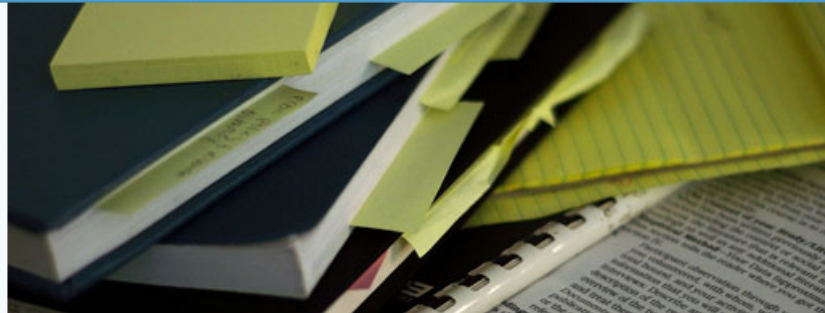
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## PLAGIARISM GUIDE

for Science and Engineering  
Instructors and Students



### ▸ Students

- Plagiarism
- Honor Code
- Citing
- Tips

### ▸ Instructors

### ▸ Contacts

### Student Introduction

Louis Bloomfield, a physics professor at the University of Virginia always assigned a term paper in his introductory physics class. In early 2001, after hearing rumors of cheating, Dr. Bloomfield designed a computer program to detect plagiarism in the papers that had been written over the past five semesters. As a result, he initiated 158 cases against students, with 122 being formally accused of plagiarism. At the conclusion of the honor trials, 48 of those students were either dismissed from school (including 3 graduate degrees revoked) or left the university after admitting guilt. ([See References 1 & 2](#))

Don't let this happen to you! Welcome to the UF Libraries' Plagiarism Tutorial.

It will help you get informed and learn how easy it is to avoid plagiarism. Work through the 3 modules and don't forget to check out the Tips for Paraphrasing at the end!

Good luck and GO GATORS!

<http://guides.uflib.ufl.edu/stemrcr>

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denise@uflib.ufl.edu « Guide Admin « Dashboard « Sign Out

## Responsible Conduct of STEM Research

Tips and sources to help you conduct sci-tech research in an ethical and responsible manner.

Last update: Nov 29, 2011 | URL: <http://guides.uflib.ufl.edu/stemrcr> | [Print Guide](#) | [RSS Updates](#) | [Email Alerts](#) | [SHARE](#) [f](#) [t](#) [e](#) ...

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[Citing & lit review](#) | [Data management](#) | [Ethics](#)

**Responsible Conduct of Research** [Comments \(0\)](#) [Print Page](#) Search:  This Guide

### UF Honor Code

Preamble: In adopting this Honor Code, the students of the University of Florida recognize that **academic honesty and integrity are fundamental values of the University community.**

Students who enroll at the University commit to holding themselves and their peers to the high standard of honor required by the Honor Code. Any individual who becomes aware of a violation of the Honor Code is bound by honor to take corrective action.

Student and faculty support are crucial to the success of the Honor Code. The quality of a University of Florida education is dependent upon the community acceptance and enforcement of the Honor Code.

**The Honor Pledge:**

We, the members of the University of Florida community, pledge to hold

### Best Practices for Maintaining Research Integrity

Follow general practices of Responsible Conduct of Research (RCR) [in [html](#) or [pdf](#) or [video](#)]. Info for [postdocs](#).

Develop professional relationships with [mentors/advisors](#). Communicate your expectations and ask questions. Respect the [differences in cultural backgrounds](#) among your colleagues.

Follow the practices and cultures of [collaborative research](#) in your discipline, department, and lab.

[Search](#) your discipline's literature early and often. Know how your work fits with other research in your area, and learn the key players.

Establish roles and authorship at the beginning of a project, and create [partnering agreements](#). Follow [responsible publication](#) practices.

Respect the rights and treatment protocols of [research subjects](#), human or animal.


Maintain accuracy in measuring, recording, interpreting, and reporting [data](#). Negotiate data sharing and ownership [issues](#).

Avoid the [research misconduct](#) deeds: falsification, fabrication, plagiarism.

Respect the [intellectual property rights](#) and copyrights of other researchers and authors.

Give proper credit ([and cite your sources](#)) to those whose work forms a base for your


### Avoiding Misconduct



The Lab. An Interactive Video on Avoiding Misconduct from the Office of Research Integrity (ORI)

- [Watch the video](#)

### On Being a Scientist



- [View brief video \(7:13\)](#)

# note the "Research Misconduct / Plagiarism" tab

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Admin Sign In

## Responsible Conduct of STEM Research

Tips and sources to help you conduct sci-tech research in an ethical and responsible manner.

Last update: Jan 3, 2012 | URL: <http://guides.uflib.ufl.edu/stemrcr> | [Print Guide](#) | [RSS Updates](#) | [Email Alerts](#) | [SHARE](#) [f](#) [t](#) [e](#) ...

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**Research Misconduct/Plagiarism** | [Comments \(0\)](#) | [Print Page](#) | **Search:**  This Guide

### Reporting Research Misconduct at UF

I have observed some research misconduct at UF. Where do I report it? How do I protect myself?

- [Faculty/Student Resolution Process](#)  
For instructors with concerns about a student's behavior
- [Office of the Ombuds](#)  
"The purpose of the ombuds is to assist members of the university community in solving problems and conflicts."
- [Official UF Regulations](#)  
"Such an allegation should be brought to the administrative officer to whom the accused reports, e.g. supervisor, department chairperson, dean or director." (p.3)
- [IIF Division of Sponsored](#)

### What is Research Misconduct?

From the U.S. Dept. of HHS [Office of Research Integrity](#):

Research misconduct means fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results.

(a) **Fabrication** is making up data or results and recording or reporting them.

(b) **Falsification** is manipulating research materials, equipment, or processes, or changing or omitting data or results such that the research is not accurately represented in the research record.

(c) **Plagiarism** is the appropriation of another person's ideas, processes, results, or words without giving appropriate credit.

(d) Research misconduct does **not** include honest error or differences of opinion.

### Defining Research Integrity

### Plagiarism - learning tools

- [UF Plagiarism Guide for Science and Engineering Students and Instructors](#)
- [How to Avoid Plagiarism](#)  
complex examples from Northwestern
- [Guidelines for Avoiding Plagiarism, Self-Plagiarism, and Questionable Writing Practices](#)**  
from ORI. Brief guidelines, in 2 pages.
- [Avoiding plagiarism, self-plagiarism, and other questionable writing practices: A guide to ethical writing](#)  
from ORI, philosophy and examples
- [Plagiarism tutorial](#)  
from Duke University
- [Guidelines for Best Practices in Image Processing](#)
- [ORI: research misconduct learning tools](#)



# Marston Science Library Spring Workshops

Click on banner to register.



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- [Biological Sciences](#)
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- [Program Guides](#)

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[Catalog Search](#) | [OneSearch](#)

**Library Catalog** (Books, Journals, Videos, & more)

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Thursday, March 22, 2012

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Search the Library Catalog

Select One

[Home](#) >> [Subjects](#) >> [Chemistry](#)

## Chemical & Physical Sciences

### Subject Specialists

Click on a subject specialist below to view areas of expertise and contact information.

[Michelle Foss Leonard](#)

[Michael Howell](#)

[Donna Wrublewski](#)

### Subject Guides

Click on a link below to view a subject guide.

- [Astronomy \(Michael Howell\)](#)
- [Chemistry \(Donna Wrublewski\)](#)
- [Biological Sciences \(Michelle Foss Leonard\)](#)
- [Physics \(Donna Wrublewski\)](#)
- [Patents & Trademarks \(Michelle Foss Leonard\)](#)
- [Standards \(Denise Bennett\)](#)

For a complete list of UF Library subject guides please visit [Guides @ UF](#).



# http://guides.uflib.ufl.edu/physics

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## Physics

Tags: [phy](#), [physics](#)

A guide to the Physics subject resources available from the University of Florida Libraries.

Last Updated: Mar 22, 2012 | URL: <http://guides.uflib.ufl.edu/physics> | [Print Guide](#) | [RSS Updates](#) | [Email Alerts](#) | [SHARE](#) [f](#) [t](#) [e](#) ...

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### Quick Links

- Marston Science Library
- Library Catalog
- Library Account
- ARES Course Reserves
- Interlibrary Loan (ILL)
- Suggest A Purchase
- UF Physics Department
- Responsible Conduct of STEM Research
- Copyright on Campus

### Getting Started At The Library

#### How do I find books or journals on a specific topic?

The [Library Catalog](#) lists all the items that the library owns or to which it has a subscription. You can search the catalog for a **specific book title or author**. You can also search for items related to a **specific topic or subject**. Journal *subscriptions* are also listed in the catalog, but you will need to use a database to find individual articles in those journals. Tips for searching can be found on the [Books & E-Books](#) page. Links to online books and journals are also contained within the catalog. More information about electronic books is also on the [Books & E-Books](#) page.

If you are specifically looking for a Masters thesis or a Doctoral dissertation, visit the [Dissertations](#) page.

#### How do I find a specific journal article for which I have a citation?

Visit the [About Article Citations](#) page for information on deciphering various citation styles and locating articles using the Catalog.

#### How do I find journal articles on a specific topic?

Use a journal article database. Databases cover different subjects, different journals, and different time periods. It's a good idea to try searching more than one database. If you are trying to decide which database is appropriate for your research, look at the suggested databases on the [Physics Databases](#) page.

#### Are there any tools to help me manage my references and format my papers?


Yes! The [Citation Management](#) page has information on programs that are available to you, free of charge, that will be very helpful.

#### Where can I find more information?


- Your subject librarian's contact information is to the right. Feel free to contact her with any questions you may have.
- Visit the Marston Science Library Reference Desk ([hours](#)), or call (352) 273-2872.
- For general library reference questions, try the [Ask A Librarian](#) service.
- Links to UF, national, and international organizations in your field can be found on the [Links of Interest](#) tab.

[Comments \(0\)](#)

### Your Librarian



**Donna Wrublewski**



**Contact Info**  
Marston Science Library L201C  
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**Subjects:**  
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# Questions?

**Dr. Donna Wrublewski**  
**Physics Librarian**  
**Marston Science Library**  
**[dtwrublewski@ufl.edu](mailto:dtwrublewski@ufl.edu)**  
**352-273-2872 (ph)**

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