

# Research Methodology

Engineering Ethics

Lecturer: Dr. A. Haghbin

# Overview

- Academic Honesty
- Plagiarism
- Engineering Ethics
- Conclusion

# Types of Academic Misconduct

- Plagiarism
- Unauthorized co-operation
- “Joyriding” in group work
- Fabrication
- Un-authorized aids, especially at exams
- Multiple submissions

# Cheat

- Cheaters also cheat themselves too
- One is guilty of cheating whenever one presents as one's own work something that one did not do
- One is also guilty of cheating even when helping someone else to cheat

# Exams

- Copying from someone else's paper
- Using notes, unless expressly allowed by the teacher
- Altering an exam for re-grading
- Getting an advance copy of the examination
- Hiring a surrogate test-taker

# Plagiarism

- The key to avoiding plagiarism is that you show clearly where your own thinking ends and someone else's begins

# Plagiarism

- Using another writer's words without proper citation
- Using another writer's ideas without proper citation
- Citing your source but reproducing the exact words of a printed source without quotation marks

# Plagiarism

- Borrowing the structure of another author's phrases or sentences without crediting the author from whom it came.
- Borrowing all or part of another student's paper or using someone else's outline to write your own paper.
- Using a paper writing "service" or having a friend write the paper for you.

# Plagiarism

- Borrowing computer code from another student and presenting it as your own.

# Some Tools

- <http://www.articlechecker.com>
- <http://www.copyscape.com> (not for free)
- <http://www.doccop.com>
- <http://searchenginereports.net/articlecheck.aspx>

# Free Online Plagiarism Checker

FREE

Search Engine Reports

Plagiarism Checker



## Advanced Plagiarism Checker

Enter content by any one of the 3 methods below

Enter Text:

```
Recent research on the generation of social trust and  
social capital gives public institutions prominent roles  
as instruments for creating social capital, the trust  
and connections between community members that yield  
collective action. Less is known about specific  
institutions and the mechanisms involved in creating
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Enter URL:

<http://www.sciencedirect.com/science/article/pii/S0740818810001088>

Text File:

Browse...

Sensitivity:

Less



More

Create Report

Phrase	Result Detail
{*generator Msftedit 5	<a href="http://www.genealogy.com">www.genealogy.com</a> ... {*\generator Msftedit 5.41.15.1503;}\viewkind4\uc1\pard\fs16\tab sasine william fraser of culbokie inverness\par\tab RS2788/3. \par\tab\par\tab\par
and social capital gives public institutions prominent roles as instruments	<a href="#">CiteULike: Library &amp; Information Science Research</a> Abstract. A set of sulfamides designed, synthesized and evaluated against maximal electroshock seizure (MES) and pentilenetetrazol (PTZ) tests with promising results ... <a href="http://www.citeulike.org/journal/els-07408188">http://www.citeulike.org/journal/els-07408188</a> > <a href="#">Cached</a>
for creating social capital, the trust and connections between community	<a href="#">CiteULike: Library &amp; Information Science Research</a> Abstract. A set of sulfamides designed, synthesized and evaluated against maximal electroshock seizure (MES) and pentilenetetrazol (PTZ) tests with promising results ... <a href="http://www.citeulike.org/journal/els-07408188">http://www.citeulike.org/journal/els-07408188</a> > <a href="#">Cached</a>
Less is known about specific institutions and the mechanisms involved in creating social capital	<a href="#">CiteULike: Library &amp; Information Science Research</a> Abstract. A set of sulfamides designed, synthesized and evaluated against maximal electroshock seizure (MES) and pentilenetetrazol (PTZ) tests with promising results ... <a href="http://www.citeulike.org/journal/els-07408188">http://www.citeulike.org/journal/els-07408188</a> > <a href="#">Cached</a>
In this paper, public library programs directed towards immigrants are explored as one possible mechanism for generating social capital	<a href="#">CiteULike: Library &amp; Information Science Research</a> Abstract. A set of sulfamides designed, synthesized and evaluated against maximal electroshock seizure (MES) and pentilenetetrazol (PTZ) tests with promising results ... <a href="http://www.citeulike.org/journal/els-07408188">http://www.citeulike.org/journal/els-07408188</a> > <a href="#">Cached</a>
The data are unstructured interviews with U	<a href="#">CiteULike: Library &amp; Information Science Research</a> Abstract. A set of sulfamides designed, synthesized and evaluated against maximal electroshock seizure (MES) and pentilenetetrazol (PTZ) tests with promising results ... <a href="http://www.citeulike.org/journal/els-07408188">http://www.citeulike.org/journal/els-07408188</a> > <a href="#">Cached</a>

# Team Work

- Group work calls for a different kind of effort, not less of it.

# Engineering Ethics

- Engineers uphold and advance the integrity, honor and dignity of the engineering profession by
  - using their knowledge and skill for the enhancement of human welfare
  - being honest and impartial, and servicing with fidelity the public, their employers and clients

# Engineering Ethics

- striving to increase the competence and prestige of the engineering profession
- supporting the professional and technical societies of their disciplines