

Russ Herman

Mathematics & Statistics

Physics & Physical Oceanography

Journal of Effective Teaching, UNCW

Online Publishing

JET, Open Access,

Preprint Sharing,

Digital Content,


Textbooks

Overview

- 1 The Journal of Effective Teaching
- 2 Open Access Publication
- 3 Textbooks
- 4 arXiv.org
- 5 Digital Libraries

The Journal of Effective Teaching

- Originated with the Carolina Colloquy on Teaching
- Maintained by faculty at UNCW.
- First papers published in 1996 - 2003.


The Journal of Effective Teaching
an online journal devoted to teaching excellence

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Welcome to the **The Journal of Effective Teaching**, a peer reviewed electronic journal devoted to the discussion of teaching excellence in colleges and universities. The **Journal of Effective Teaching** will publish two regular issues per year and possibly a special issue on a current topic. The regular issues will contain articles in two broad **Content Areas**: **effective teaching** and the **scholarship of teaching**. We invite contributors to share their insights in pedagogy, innovations in teaching and learning, and classroom experiences in the form of scholarly communication. Articles which draw upon research-theory based research or teaching practices should elaborate on how the teaching practice, research or findings relates across the disciplines. We are particularly interested in topics addressed in the particular **Content Areas** described at this site, including empirical research on pedagogy, innovations in teaching and learning, and classroom experiences. [Print](#) and [post our flyer](#)

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- [Current Issue](#)
- [Volume 15, Issue 2, September 2015](#) New!
- [Volume 15, Issue 1, February 2015](#)
- [Volume 14, Issue 3, December 2014](#)
- [Volume 14, Issue 2, September 2014](#)
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- [Volume 13, Issue 2, September 2013](#)
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- [Volume 12, Issue 3, October 2012](#)
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Recent Letters from the Editor

- [How Long Does it Take to Prepare for Class? - Vol 15\(2\)](#)
- [Social Media Apps - Vol 15\(1\)](#)
- [Don't Panic, It's Only an Exam - Vol 14\(2\)](#)
- [MOOCs - How Are They Doing? - Vol 14\(1\)](#)
- [Are Grades a Necessary Evil? - Vol 13\(2\)](#)
- [How Much Do Faculty Work? - Vol 13\(1\)](#)

<http://www.uncw.edu/cte/et/>

The Journal of Effective Teaching

- Revamped in 2006
 - 24 issues, 148 papers, 2111 pages
- Acceptance rate $\approx 25\%$

JET
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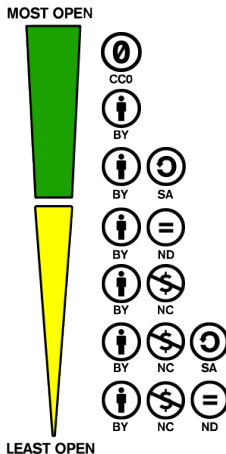
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- 2001 - Creative Commons founded
- 2002 - First licences
- Partly inspired by Free Software Foundation (GNU GPL)
 - Richard Stallman 1980's
 - Software had been "free"
- 2005 - 20 million works, See Science projects
- See Milestones
- 2006 - JET revamped, adopted CC



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- Closed Access
 - Researcher paid by public for research.
 - Writes papers and gives rights to publisher.
 - Others buy publication to use.
 - Access to knowledge is limited.

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- Open Access
 - Author keeps rights.
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Advantages vs Disadvantages

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 - Available for text analysis.
- Disadvantages
 - Lack of quality control (Blogs, Wikis).
 - Not currently accepted as high impact journals.
 - Someone has to pay.
 - Contrary to university cultures of closed communities.
 - Sustainability.

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`http://arXiv.org/`

History of arXiv.org


- Culture of sharing preprints
 - Repositories of hard copies
 - Development of \LaTeX based on \TeX by Donald Knuth, 1978
 - Plain text, not marked up
- $\int_{-\infty}^{\infty} e^{-x^2} dx = \sqrt{\pi}$ produces

$$\int_0^{\infty} e^{-x^2} dx = \frac{\sqrt{\pi}}{2}$$

- Papers went electronic, mid 80's
 - Email boxes overrun ...
 - Digital repositories - share abstracts, store papers on server
- xxx.lanl.gov - 1991, Paul Ginsparg at Los Alamos National Lab
- World Wide Web 1992 ... Mosaic browser - 1993
- Renamed arXiv.org in 1998

Digital Libraries

- Digital Libraries (iLumina, MathDL, NSDL)
- Metadata - Subject Taxonomies, Data Harvesting
- National Mathematics Taxonomy



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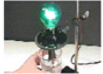
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R. L. Herman
Sep 28, 2016
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- arXiv.org - e-print server
- Digital Libraries - Archiving digital content

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LaTeX

Russ Herman, 2 February 2015 (created 25 August 2006)

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What is LaTeX?

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