

PERIODICALS RELATED TO UNIVERSITY TEACHING (plus a few others)

Introduction

In support of teaching and learning at the University of Guelph, Teaching Support Services has prepared a list of periodicals (mostly) related to university teaching. A summary of each journal is provided along with information on its availability and online access. *As more journal summaries and contact information is prepared, other journals will be added to the list. Meanwhile, refer to the following document for additional periodicals on teaching* (look for them on TRELIS). http://www.idea.ksu.edu/papers/pdf/Idea_Paper_28.pdf (PDF file)

Journals are categorized under one of three sections in alphabetical order:

- **Academia**
- **Non-discipline Specific Teaching Journal in Higher Education**
- **Discipline Specific Teaching Journals in Higher Education.**

FYI: Each publication ranges (25% to 100%) in the amount of teaching related content provided.

Academia

Academe Online is a bimonthly publication of the American Association of University Professors. “It analyzes higher education issues from faculty members' perspectives. Feature articles examine tenure, affirmative action, part-time faculty appointments, distance education, intellectual property, and other timely academic issues. Investigative reports on violations of academic freedom and tenure are regular components. Columns cover legal trends, legislative developments, and new scholarly books.”

Available: Online at <http://www.aaup.org/SO99TOC.htm>.

Change Magazine of Higher Learning is a bimonthly publication by the *Helen Dwight Reid Educational Foundation* in conjunction with the *American Association for Higher Education*. The magazine provides an overview of information about higher education in the United States. Articles discuss issues such as student life, the changing politics of higher education, economics, management styles, and multiculturalism. The journal keeps readers aware of new movements in the world of academia. <http://www.aahe.org/change/>

Available: Teaching Resource Centre and University of Guelph, LB 2300.C4

The Chronicle of Higher Education is published weekly and is available in print or online. It's the number one news source for college and university faculty members and administrators in the United States. It provides information on news from campuses around the world, job opportunities, new books and resources, career information, and more.

Available: Online *UG users see <http://www.lib.uoguelph.ca/Ejournals/UGonly/passwords.htm> for login and password. <http://chronicle.com/index.htm>

Non-discipline Teaching Journals in Higher Education

Academic Exchange is a peer-reviewed print journal that welcomes research, commentary, and other manuscripts that contribute to effective instruction and learning regardless of level or subject. The editorial board welcomes faculty submissions or co-authored pieces by graduate students and professors. Each issue is theme based. See website for submission details and current issue information.

<http://rapidintellect.com/AEQweb/>

Not available from Trellis.

Active Learning in Higher Education is published biannually for *The Institute for Learning and Teaching*. The journal focuses on international teaching and learning in higher education. Discussed are topic overviews, action research accounts, outputs from subject specific project teams, case studies, and theoretical perspectives. Academic practice throughout curriculum areas in higher education is prevalent in the journal. The target audience includes those involved in teaching and managing in higher education. See website for journal abstracts.

<http://www.sagepub.co.uk/frame.html?http://www.sagepub.co.uk/elect.html>

Not Available from Trellis

Assessment Update: Progress, Trends, and Practices in Higher Education is published bimonthly. This periodical discusses developments in the field of higher education assessment and is addressed towards academic leaders. Recent information and advice on conducting assessments is provided for areas such as student learning and outcomes, faculty instruction, academic programs and curricula, student services, and institutional functioning.

<http://www.josseybass.com/BJJournals/au.html>

Available: University of Guelph, LB 2331.63 A74

College Teaching is a Heldref publication that is produced quarterly. It's a unique, cross-disciplinary journal that focuses on the teacher in the classroom, the core of the college. Each issue includes practical ideas and new programs for successful teaching/ learning across the curriculum. A lively page, THE QUICK FIX, presents a simple technique or tips that work. Annual special sections highlight the best and latest methods for teaching writing and teaching science and mathematics. For teachers and administrators concerned with enhancing the teaching/learning process--this journal brings ideas and inspiration back to college teaching!

Available: University of Guelph, L 11.I4 <http://www.heldref.org/>

DeLiberations on Teaching and Learning in Higher Education is based in the Educational Development unit at London Guildhall University. It acts as both a resource and a forum for readers to discuss and develop ideas, and identify resources that will aid their work. Content includes: evaluated case studies of teaching and learning in subject discipline areas, contact lists of staff interested in similar work, extracts of related published articles, commentary on case studies and articles contributed by readers book reviews, annotated bibliographies, and links to related resources and relevant publishers.

Available: online at <http://www.lgu.ac.uk/deliberations/>

Harvard Educational Review is published quarterly. The journal focuses on the teaching and practice of educational settings within national and international contexts. Discussions and reviews of research and theory are provided within an inter-disciplinary forum for thinking in

education. Contributions from teachers, practitioners, policymakers, scholars, informed observers, and researchers in education and related fields are accepted. Manuscripts may be in the form of an article, Voices Inside Schools article, essay review, or book review.

<http://www.gseweb.harvard.edu/~hepg/her.html>

Available: University of Guelph, L 11.H3

Journal on Excellence in College Teaching is published three times annually at Miami University for university and college faculty. The journal's purpose is to "increase student learning through effective teaching, interest in and enthusiasm for the profession of teaching, and communication among faculty about their classroom experience". A scholarly forum is provided for faculty discussions in areas affecting teaching and learning, innovative pedagogies, and insights about teaching. A selection of full text articles are available at

<http://ject.lib.muohio.edu/>.

Not Available Trellis

The **Journal of Scholarship of Teaching and Learning (JoSoTL)** "is designed to encourage all instructors to engage in the discussion of the Scholarship of Teaching and Learning (SoTL), and to become involved in the sharing of knowledge and learning about the teaching-learning process. Any report about an investigation into what works (or doesn't work) for a particular teaching-learning context will be considered for publication. Those submissions that include reflective commentary about the result of the investigation will be considered of greater value to our readership and more appealing for publication. The journal shall also consider submissions that offer opinion, thoughtful reflection, commentary, or theoretical ideas related to SoTL."

Available: on line <http://www.iusb.edu/~josotl/>

New Directions for Teaching and Learning offers a comprehensive range of ideas and techniques for improving college teaching based on the experience of seasoned instructors and on the latest findings of educational and psychological researchers. Each issue is theme based.

<http://www.JosseyBass.com/catalog/isbn/HEA/>

Available Trellis: LB 2341. T717 (new subscription to the Teaching Resource)

Positive Pedagogy: Successful and Innovative Practices in Higher Education (PosPed) is an online journal initiated by the Ontario 3M fellows. Published quarterly, it is designed to promote discussion and exchange of useful teaching practices and experiences among teachers in Canadian institutions of higher education, provide descriptive summaries of exemplary teaching practices, raise the profile of post-secondary teaching, and recognize the work of those who have achieved excellence in teaching.

Available: Online access at <http://www.mcmaster.ca/learning/posped/>

Simulation and Gaming is the official journal of the ABSEL, ISAGA, JASAG, and NASAGA. Published on a quarterly basis, this journal includes "theoretical and empirical papers related to simulations of social processes". Papers examine simulations in research and teaching, empirical studies, and new gaming techniques. Areas of focus highlight role-play, computerized simulation, experiential learning, and game design. The scope of the journal is inter-disciplinary.

<http://www.sagepub.co.uk>

Available: University of Guelph H62. S477

The Teaching Professor is published 10 times per year by Magna Publications and is devoted to providing educational strategies and tactics for faculty and teaching staff in colleges and universities. "The newsletter offers a combination of concise information and inspiration to help faculty members teach more effectively." Topics commonly addressed include: facilitating lively class discussion, overcoming student apathy, working with graduate assistants, testing and grading techniques, and working in groups. <http://www.magnapubs.com/newsletters.html>

Available: University of Guelph LB 2331.T416 and the Teaching Resource Centre

** back issues are available at the TRC on a first come first serve basis*

Discipline Specific Teaching Journals in Higher Education

Agriculture

Journal of Natural Resources and Life Sciences Education is published annually by the American Society of Agronomy. The journal covers all disciplines in the life sciences, natural resources, and agriculture. Educators in extension, universities, industry, administration, and grades K to 12 contribute concepts, ideas, and techniques. The journal is written by and for educators therefore articles presenting original teaching methods are encouraged.

<http://www.jnrllse.org/>

Available University of Guelph S1. J65

Anthropology

Anthropology and Education Quarterly is the official journal of the Council on Anthropology and Education. Qualitative articles are published which discuss anthropological applications to research and development in education. Educational issues and successes evident in minority cultures and developing countries are emphasized. <http://library.ncsu.edu/marion/ABF-0073>

Available: Trellis, GN2 .C68x

Architecture

Journal of Architectural Education is a quarterly publication of the *Association of Collegiate Schools of Architecture*. Articles in JAE discuss architectural history, theory, practice, and design. The journal provides a forum for architects and architectural educators to exchange ideas about architecture and the education of architects. JAE will consider publishing written articles and architectural design work (both built and un-built) from a critical inquiry perspective.

<http://mitpress.mit.edu/journal-home.tcl?issn=10464883>

Available: Trellis, NA1 .J77

Biology

American Biology Teacher - The National Association of Biology Teachers publishes this journal eight times a year. The journal applies both conceptual and practical approaches for use by science teachers in general. The "Articles" section reviews recent discoveries, concepts and developments, as well as educational theories and trends in biology teaching. "How-To-Do-It" includes practical articles for classroom procedures, experiments, and demonstrations.

"Departments" offers letters to the editor; reviews of books, computer software, and audiovisual materials; awards and conference notices; and an opinion column.

<http://www.nabt.org/journal.html>

Available: University of Guelph, QH 301. A65

Journal of Biological Education is an international journal published quarterly by the *Institute of Biology*. Main articles discuss recent research in biological education and the practical and theoretical aspects of teaching the biological sciences. The journal includes commentary regarding topical issues, practical biology, school project work, book reviews, audio-visual aids, and computer software. <http://www.primex.co.uk/job/jbe/html>

Available: University of Guelph, QH 315.A1 J6

Chemistry

Biochemical Education is a quarterly publication by the *International Union of Biochemistry and Molecular Biology*. The journal's purpose is to "assist in the teaching of biochemistry to science and medical students throughout the world". The audience consists of university, college, and medical faculties teaching biochemistry, molecular biology, microbiology, and cell biology. Articles on teaching techniques and practice, methods of assessment, and classroom experiment ideas are encouraged. <http://www.elsevier.com/inca/publications/store/6/0/4/>

Available: University of Guelph, QD 46.B5

Journal of Chemical Education (JCE) is a publication of the American Chemical Society. JCE aims "to provide chemistry teachers (middle school to graduate level) with information, ideas, and materials for improving and updating their background and their understanding of the science, and for helping them in their teaching and in their effectiveness in developing the talents of students. The central idea here is that this should be not only a 'living textbook of chemistry' as one of the early editors put it, but a perpetual and dependable learning source for chemists who teach." <http://jchemed.chem.wisc.edu/>

Available: University of Guelph QD 1.J93 and online. For login and password, visit TRELIS.

Economics

Journal of Economic Education is a quarterly publication that discusses innovations and evaluations in terms of teaching techniques, materials, and programs in economics. Articles cover content and pedagogy for introductory to graduate-level instructors. Manuscripts for submission should fall under one of the following categories: research in economic education; economic content; economic instruction; and online material for teaching and learning economics. <http://www.indiana.edu/~econed/style.htm>

Available: University of Guelph, H62.5.U5 J6

Education

Journal of Teacher Education is published five times a year in cooperation with the *American Association of Colleges for Teacher Education (AACTE)*. The journal's purpose is to "stimulate discussion, study, and experimentation amongst educators". Themes presented in the journal are cognitive science and critical thinking, field experiences and teacher education, professional ethics, and restructuring teacher education. <http://www.sagepub.co.uk/>

Available University of Guelph: LB 1705.N27

Engineering

Journal of Engineering Education is published quarterly by the *American Society for Engineering Education*. Articles discuss engineering and technology education, the development of new ideas, and issues appealing to engineering educators and others. Manuscripts for publication focus on the following areas: the present and changing field of engineering

education; the history of engineering education and its current influence; recent and future trends; interdisciplinary and inter-institutional efforts for the development of engineering education; outreach beyond engineering education; and the improvement of technical literacy.

<http://www.asee.org/publications/html/guide.htm>

Available: University of Guelph, TA 1.J6

Geography

Journal of Geography in Higher Education is devoted to the teaching of geography in international institutions of higher education. It provides “a forum for geographers and others to discuss educational interests, present educational research results, and advocate ideas”. Three issues of the journal are published per year in conjunction with University College,

Northampton, UK. <http://www.tandf.co.uk/journals/carfax/03098265.html>

Available: University of Guelph, G 72.J6

Mathematics

Journal for Research in Mathematics Education is the official journal of the *National Council of Teachers of Mathematics* and is published five times per year. JRME focuses on the interests of mathematics teachers and education from pre-school through to adult education. JRME is a forum for the teaching and learning of mathematics. The variety of manuscripts encouraged are: research reports - experiments, surveys, and case studies; philosophical studies; articles about research - literature reviews, theoretical analyses; critiques of articles and books; and brief commentaries on research articles. <http://www.nctm.org/jrme/>

Available: Trellis, QA11.A1 J68

Teaching Mathematics and Its Applications is published quarterly by the *Institute of Mathematics*. This journal is designed for the teaching of mathematics at the secondary and tertiary levels - specifically first year undergraduate courses. Articles demonstrate the applications of mathematics and improvements for its teaching.

<http://www3.oup.co.uk/jnls/list/teamat/>

Not Available Trellis

Philosophy

Teaching Philosophy is a quarterly publication of the *Philosophy Documentation Center*. It focuses on the relationship between philosophy and teaching, curricula, courses, methods, and problems faced by philosophy teachers. Ideas are exchanged regarding the practical and theoretical elements of teaching and learning philosophy. The journal publishes articles, discussions, reports, case studies, and reviews.

<http://www.bgsu.edu/offices/phildoc/teachph.html>

Available: University of Guelph, B52. T4

Physical Education

European Physical Education Review is published three times a year in association with the *North West Counties Physical Education Association*. This journal is international and interdisciplinary in focus. Articles explore the field of physical education, including sport and leisure activities and research. Theoretical and research-based articles are from the natural sciences, humanities, and social sciences. <http://www.sagepub.co.uk> (see sidebar – Journals - Education)

Not Available: Trellis

Physics

Physics Education is designed for those involved with the teaching of physics in schools and first year undergraduate courses. The *Institute of Physics* publishes the journal six times per year. Ideas outline new ways of teaching and presenting experimental and theoretical aspects of physics. Teachers are provided with recent information on new developments, applications, curricula, courses, textbooks, software, and equipment in the field.

<http://www.iop.org/Journals/pe/scope>

Available: University of Guelph, QC 30.P45

The Physics Teacher is designed for those teaching introductory physics courses at any educational level. Articles discuss physics research, the history and philosophy of physics, applied physics, curriculum developments, pedagogy, lab equipment, and book reviews. The *American Association of Physics Teachers* publishes the journal nine times a year.

Available: Trellis, PER QC30 P48

Psychology

Teaching of Psychology is the official journal of the *Society for Teaching of Psychology*, and is published quarterly. The journal is devoted to the improvement of the teaching and learning of psychology at all educational levels. Articles are divided into four areas: topical articles on teaching-related issues; methods and techniques – learning and teaching activities; faculty forum – diverse issues in teaching with commentary, criticism, and opinion; and computers in teaching – use of classroom computers, innovative approaches, software reviews, and teaching techniques. <http://www.ithaca.edu/beins/top/top.htm>

Available: University of Guelph, BF 77.T43

Science

Journal of Chemical Education is a monthly publication and learning source for chemists who are teachers. Articles provide information, ideas, and materials specific to the understanding of chemistry, and offer ideas for both teaching and effective development of students' knowledge and skills. Articles are published in the following main areas: "Chemical Education Today", "Chemistry Every Day for Everyone", "In the Classroom", "In the Laboratory", "Information, Textbooks, Media, Resources", and "Research: Science and Education."

<http://jchemed.chem.wisc.edu/Journal/Authors/index.html>

Available: University of Guelph, QD 1.J93

Journal of College Science Teaching (JCST) is published by the *National Science Teachers Association*. The journal explores innovative techniques to improve interdisciplinary teaching methods. Strategies are included for the teaching of science and non-science majors, and articles are designed for instructors in a variety of disciplines. Objectives for the JCST: to teach about the nature of science and the relationship of science and society; to exchange instructional ideas and experiences; to discuss innovative media and other teaching materials; and to publish general interest articles for teachers of undergraduate courses. <http://www.nsta.org/pubs/jcst/>

Available: Trellis, Q181. A1J57x

Journal of Research in Science Teaching is a Wiley-Interscience publication on behalf of the *National Association for Research in Science Teaching*. This monthly journal "publishes reports for science education researchers and practitioners on issues of science teaching and learning and science education policy." The science education articles discuss philosophy, historical

perspectives, teaching strategies, and curriculum development.

<http://journals.wiley.com/jpages/0022-4308/>

Available: University of Guelph, Q 181.A1 J6