

**研究倫理
課程大綱**

科號 Course Number: 10020LST 130100	學分 Credit : 1	人數限制 Size of Limit :
中文名稱 Course Title : 研究倫理		
英文名稱 Course English Title : Research Integrity		
任課教師 Instructor : 范建得		
上課時間 Time : WnW5W6	上課教室 Room : 台積 121	

課程重點摘要：

你擔心論文有剽竊問題嗎？

你弄不清楚論文的著作權或專利應該是誰的嗎？

你知道哪種研究計畫應該接受倫理審查否則無法發表或拿不到專利嗎？

你擔心因使用網路資源而遭指控侵犯著作權嗎？

你使用動物作研究應該受到管制嗎？

你研究性別傾向有研究倫理的問題嗎？

你研究原住民的習俗或特色必須接受倫理審查嗎？

這些都是研究倫理的問題！！

自第八屆全國科技會議以來，我國已將研究倫理的提升視為國家強化研究品質與能量的核心工作，目前除了與人體相關之研究必須接受倫理審查外，國科會也已針對包括人文社會領域在內的研究計畫制訂【行政院國家科學委員會推動專題研究計畫研究倫理審查試辦方案】，而教育部則也同步就學術倫理教育所需教材及其推廣提出先期規劃案。準此，研究倫理將逐漸深化到校園的每個角落，而校園內的每位師生，均將受到規範。實則，不論是研究或論文涉及對人身或隱私的研究，均可能影響人性尊嚴及人格的完整；此外，研究成果的歸屬與具名發表的方式，更已經引發研究團隊落或師生關係的緊張；至於研究成果的分享所牽涉研究者與學校或政府間的法律爭議、研究者因利益衝突導致名譽上的損害甚至賠上自由等等，更都是研究倫理所含議題。目前大家較為熟悉的論文剽竊或抄襲問題，其實僅是研究倫理中被歸為不當行為的極小範疇，在當前歐美學術領域中所推廣的研究倫理，則已經在範圍上含括學生學術態度之養成、研究報告與論文撰寫之嚴謹、研究內容與設計之合乎倫理、發表與具名及成果歸屬之規範，以及守法與嚴守利益衝突原則等範疇。此外，倫理治理制度建構與身化到每以個學術單位，也是在整體建置上的重點之所在。

本課程係由信義房屋贊助開課，經由台灣聯合大學系統邀請中央研究院副院

長劉兆漢院士擔任講座主持人後，交由清華大學生物倫理與法律中心執行。

本學期課程規劃為六場專題演講，每次演講三小時，共計十八小時。目前已順利邀請荷蘭鹿特丹 Health Care Ethics at Erasmus Medical Center 的 Inez De Beaufort 教授(亦為本屆世界生命倫理大會主席)、美國 Old Dominion University 的 Philip Joseph Langlais 教授、成功大學人文社會中心戴華主任 (Prof. Terence Hua Tai) 與台大醫學院社會醫學科蔡甫昌教授 (Prof. DANIEL FU-CHANG, TSAI) 等到課堂演講，與同學們分享研究倫理之研究。

課程大綱：

I. Introduction to the course

This course, Honorary Lecture on Research Integrity, is funded by Sinyi House (信義房屋) and is held by University System of Taiwan (台灣聯合大學系統). Chao-Han Liu, the vice president of Academia Sinica will be the host of this course; and professor Chien-Te FAN will be the executor of this course.

II. Outline of Three Lectures

This course counts for 1 credit and will be started from March 14th to June 7th, and the course schedule is as below:

- 2012/03/14 (Wen) Lecture 1, Prof. Inez De Beaufort (The Netherlands)
- 2012/04/18 (Wen) Lecture 2, Prof. Terence Hua Tai (戴華)
- 2012/05/09 (Wen) Lecture 3, Prof. DANIEL FU-CHANG, TSAI (蔡甫昌)
- 2012/05/31 (Thu) Lecture 4, Prof. Philip Joseph Langlais
- 2012/06/06 (Wen) Lecture 5, Prof. Philip Joseph Langlais
- 2012/06/07 (Thu) Lecture 6, Prof. Philip Joseph Langlais
- 2012/06/20 (Wen) EXAM or Paper

We are honored to have Professor Inez De Beaufort, Prof. Philip Joseph Langlais, Prof. Terence Hua Tai and Prof. DANIEL FU-CHANG, TSAI jointly as the speaker for this course. Class of this course will be lectured by invited speaker, and course schedule will be planned by the executor. Please see the syllabus below for key issues of this course.

Lecture 1 : "Movie review : will you still love me when I'm 128?" to be given by Prof. Inez de Beaufort

Will you still love me when I'm 128?

Suppose it would be possible to significantly expand our lifestyle and that we could live many years longer: what are ethical problems we would face? Scientists differ

on how realistic the prospect of increased longevity is, some are positive others have serious doubts. The question has also generated a lot of ethical debate in the past years with fierce proponents and fierce opponents of the extension of life. The issue has to do with how we look at elderly and how we look at ageing. I will discuss different arguments on both an individual and a societal level: e.g. justice and fairness – should every one have access to life prolonging treatments, is there a fair minimum of years to live? Is anti-ageing unnatural and if so is that an ethical problem? How does it influence our views on the good life, will we be bored, will we have different, successive, personal careers? And what are the consequences for our appearance: how will we look, what rejuvenating enhancements of our appearance would we want.

As a separate presentation that is not very long I would like to add this presentation on scientists in movies. It might be interesting (amusing even) for the students who have been working on integrity.

Scientific integrity in films

Scientists are often shown as specific ‘archetypes’ (bordering on caricatures) in movies . They are selfish, irresponsible, arrogant, full of hubris, and of course eager to do whatever they want to do regardless of what society thinks is proper. I will show some examples of such images in movies. They are interesting to discuss as one can wonder what influence these images have on the general public and their views on science and scientific developments. I think it influences people’s views on the integrity of scientists and is therefore relevant for ethical debate.

參考網址：

<http://www.ceu.hu/events/2011-10-11/will-you-still-love-me-when-i%E2%80%99m-128>

Lecture 2 : to be given by Prof. Terence Hua Tai (戴華)

The topic will be provided before the class

Lecture 3 : to be given by Prof. DANIEL FU-CHANG, TSAI (蔡甫昌)

The topic will be provided before the class

Lecture 4 : “The General Science” to be given by Philip J. Langlais, Ph.D.

Promoting Research Integrity & Common Principles

Historical Perspectives – lessons learned in U.S. & Other countries

Misconduct & Misbehavior – Prevalence and Impact
Scientific Community - Shared Values, Professional Codes of Conduct
Common Principles – Ethical approaches
Personal Responsibilities – Beyond compliance-social (global)
conscience
Education & Training in Responsible Conduct of Research (RCR)

Lecture 5 : “The General Science” to be given by Philip J. Langlais, Ph.D.

Best Practices in Key Areas of Research
Data Management and Analyses
Authorship & Publication
Intellectual Property and Collaborations
Conflicts of Interest
Human and Animal Subjects
Mentor – Mentee Relationships
Peer Review

Lecture 6 : “The General Science” to be given by Philip J. Langlais, Ph.D.

Campus Governance and Research Integrity
Role of Organizational Culture & Climate
Influence on attitudes and perceptions of research integrity
Academic & Research Policies - Shared Responsibilities
Top-down and Bottom Up management
Ways to Enhance Organizational Support of Research Integrity

Final Exam

III. Evaluation

Attendance 50%, Exam or report 50%.

Professor Inez De Beaufort

Inez De Beaufort

The Netherlands



Position

Inez de Beaufort has been professor of health care ethics and head of the department of medical ethics and philosophy of medicine at the Erasmus Medical Centre in Rotterdam, the Netherlands, since 1991.

Education

She has studied theology at the University in Utrecht and received a PhD on human research at the University of Groningen (cum laude 1985).

Experience

She has published on different subjects in medical ethics, e.g. human research, reproductive technologies, personal responsibility for health, ethics and beauty, medical ethics in fiction (films and novels), the elderly (euthanasia and dementia) and public health issues. Together with Frans Meulenbergh she has written a medical ethical soap story in the Journal of Medical Ethics.

Although of an ‘omnivorous’ ethical disposition her present research themes are ethics and obesity, ethics and paediatrics, ethics and ageing, ethics and beauty, enhancement, and medical ethics in literature and films. She has been a member of many ethics committees of hospitals and national committees, such as the National Council for Health Care and the Dutch National Committee for Ethics and Medical Research.

She is among others an Honorary member of the Dutch Health Council, a member of a regional euthanasia review committee, a member of the Board of Advice to Dutch Health Care Insurers and a member of the Health care Package Appraisal committee of The Health Care Insurance Board, and a member of the Board of the International Association of Bioethics. She has served two terms in the EGE.

Professor Philip Joseph Langlais

Professor,
Department of Psychology
Former Vice Provost for Graduate Studies & Research



Education

Major in Philosophy, Immaculate Conception College, Troy, NY
B.A. (Biology), Salem State College, Salem, MA
M.A. (Physiology), University of Texas Medical Branch, Galveston, TX
Ph.D. (Psychology), Northeastern University, Boston, MA

Professional Activities

Philip J. Langlais holds a Ph.D. degree in psychology from Northeastern University, an M.S. degree in neurophysiology from the University of Texas Medical Branch, and a B.A. degree in Biology from Salem State College. Before coming to ODU, he served 17 years on the faculty at San Diego State University and Univ. California San Diego, School of Medicine. Prior to joining ODU in 2003, Dr. Langlais served as the Assoc. Dean for Graduate Studies & Research in the College of Sciences at SDSU

Dr. Langlais is author and coauthor of research articles on the role and mechanisms of vitamin B1 (thiamine) deficiency and alcohol abuse in cognitive and memory disturbances. In collaboration with colleagues at UCSD and SDSU, he has also conducted and published research on the role of neurotransmitter and neuropeptide alterations in Alzheimer, Parkinson and Lewy-Body diseases, and psychotic depression. He has lectured nationally and internationally and his research has been funded by grants from the National Institute of Health, National Institute on Alcohol Abuse and Alcoholism, National Institute on Aging and the Department of Veterans Affairs.

Among his major accomplishments during his seven years as Vice Provost, Dean of Graduate Studies and AVP for Research, are the two-tiered institutional training and assessment program in ethics, professional standards and responsible conduct, the development of a graduate management information system, a graduate enrollment tracking and projection system, establishment of an administrative and academic structure for interdisciplinary modeling and simulation graduate programs and the development of a comprehensive strategic plan for increasing doctoral quality and productivity. .

He has been a strong advocate for professional masters and doctoral programs and for an institutional commitment to train students and faculty in ethics, responsible conduct of research (RCR) and professional development. As Assoc. Dean for Graduate Studies at SDSU he helped establish and promote PSM degrees in the college of sciences and organized a meeting of several CSU science deans and system administrators that led to the establishment of a CSU-wide Professional Science Masters program coordinated by the Chancellor's office. As Vice Provost at ODU he received two RCR project awards from CGS and has spoken at national and international conferences on the need for ethics and RCR training and on the role of the graduate dean in creating the culture and reward systems that will place these programs firmly within the curriculum.

Dr. Langlais has held several leadership roles in graduate education. From 2007 to 2009, he served on the Council of Graduate School's Board of Directors. He has served as the Vice-President and President of the Conference of Southern Graduate Schools and a founding member of the Virginia Council of Graduate Schools. He has been a panelist, speaker and presenter at regional affiliates and national CGS meetings and workshops. In addition, he has been an invited speaker at the annual meeting of the Society for Research Administrators and chaired session on Educating for Responsible Research at the 1st and 2nd World Conferences on Research Integrity. His views on the urgent need for more widespread and effective training in ethics and responsible conduct were published in the Jan 13, 2006 Chronicle of Higher Education.

He is co-founder and co-director of the National Advisory Panel on Research Integrity (NAPRI). The primary purposes of NAPRI are: 1- to facilitate awareness, conversations, resources and collaborations among individuals and organizations dedicated to advancing education and policies that promote research integrity (e.g., RCR, research ethics); and 2- Serve an advisory role to the larger community of researchers, institutions, funding agencies and accrediting bodies.

In April 2009, he was appointed to a joint Steering Committee sponsored by the American Association for the Advancement of Science (AAAS) and the China Association of Science and Technology (CAST) to coordinate work on ethics in science .The AAAS-CAST Steering Committee on Ethics in Science is charged with the following responsibilities:

To facilitate communication among policy makers, scholars, practitioners and students from the U.S. and China, with an aim to develop collaborative projects, the results of which can be used in both countries to advance and apply knowledge on

ethical issues associated with the conduct and application of scientific research.

To communicate with each other on salient issues and developments in ethics in science in the two countries, so that experience can be shared.

To serve as a mechanism for AAAS and CAST to conduct joint activities on ethics in science, and to make recommendations on possible actions that could be taken individually or collectively.

In July, 2010, he stepped down from the position of Vice Provost to dedicate full time effort to his national committees on research ethics and integrity. As a full professor in the Department of Psychology he will teach graduate level courses in the physiological foundations of behavior and a new courses entitled "Ethics, Professional Standards and Responsible Conduct" for graduate students in psychology.

Current Research Interests

His current primary interest is understanding the social, cultural, and pedagogical factors that influence responsible conduct of research (RCR) and ethical decision making among faculty and students. His views on the urgent need for more widespread and effective training in ethics and responsible conduct were published in the Jan 13, 2006 Chronicle of Higher Education. He has received RCR project awards funded by NSF and Office of Research Integrity to conduct research on the need for ethics and RCR training and on the role of the graduate dean in creating the culture and reward systems that will place these programs firmly within the curriculum and the institutional culture. He is co-founder and organizer of the National Advisory Panel on Research Ethics (NAPRI) that studies and makes recommendations to federal regulatory and funding agencies, professional societies and accrediting bodies on ways to improve training and awareness of best practices in RCR. He currently serves on a Steering Committee on Ethics in Science sponsored by American Association for Advancement of Sciences (AAAS) and the China Association for Science and Technology (CAST). The aim of this committee is to conduct collaborative projects that will advance and apply knowledge on ethical issues associated with the conduct of scientific research that can be used in both U.S. and China.

Dr. Langlais is developing a proposal to conduct a large scale empirical study of cultural factors and their influence on the climate and practice of ethics, professional standards responsible conduct of research and scholarly activities within higher education

Dr. Langlais is also proposing the establishment of a Center for Ethics, Professional Standards and Responsible conduct that would conduct research, provide education, resources and training, and serve an advisory role to students, faculty and administrators.