Universidad de Puerto Rico
Recinto Universitario de Mayaguez
Facultad de Artes y Ciencias
Departamento de Humanidades

PROPOSAL

Curricular Sequence—Minor in Practical and Professional Ethics

Justification

The Department of Humanities, in accordance with Certifications Numbers 27 and 47 approved by the Board of Trustees, proposes the creation of a Curricular Sequence in Practical and Professional Ethics. This Curricular Sequence will give students the opportunity to examine their professional duties in light of moral values. The students will receive a Certificate after completing the sequence.

The Curricular Sequence in Practical and Professional Ethics will do the following:

1. Provide students in professional areas such as engineering, biology, pre-medicine, business, and chemistry, who are already taking two or more courses in Practical and Professional Ethics, with recognition of the work that they are already doing. Moreover, because these students often take other courses in the Philosophy Program, such as logic, philosophy of science, and introduction to philosophy, they further diversify their education by adding a broader humanistic component.

2. Contribute to the Students' development as persons, since some recent developments in psychology show that not only can students make substantial progress in moral development during the college years but that this period of their life is a propitious moment for a positive intervention in their moral development.

3. Contribute to the formation of multi-faceted professionals.

4. Respond directly to Learning Outcome D of the University of Puerto Rico at Mayaguez: "Apply ethical standards".

5. Strengthen UPRM accreditation efforts with Accreditation Board of Engineering and Technology (cf. ABET EC2000 30, the American Assembly of Collegiate Schools of Business (cf. AACSB C.1.1 Ethical and Global Issues), as well as respond to the Integrity Task Force Report for the Middle States Commission of Higher Education (MSCHE).

6. Respond to existing high student demand at UPRM in the area of Practical and Professional Ethics. This is supported by the fact that several sections in Engineering Ethics, Medical Ethics, Computer Ethics, and Bioethics are offered each semester and that these classes are always full to capacity with waiting lists. In addition, the other courses in the Sequence are also in high demand, such as Introduction to Ethics and Global Ethics.

7.

Faculty: UPRM already has the qualified faculty and sufficient resources to carry out this Sequence. Currently in the Philosophy Program of the Depaitinent of Humanities two faculty members are dedicated full time to offering courses in Practical and Professional Ethics. Furthermore, four other faculty members offer courses in PPE, Introduction to Ethics, and Global Ethics as a part of their semester course load.

Resources: The Center for Ethics in the Professions, established in 1985, is currently being refurbished as a multi-media resource by the College of Arts and Sciences. Thus, this Sequence requires no additional resources.

Minimum Student Requirements

8. Students who wish to enter into the "Curricular Sequence in Practical and Professional Ethics" should be active students of the University of Puerto Rico, Mayaguez Campus with a minimum GPA of 2.0 at the moment of requesting entrance to the Program.

9. The students should complete the "Request for Admission to the Certificate in Practical and Professional Ethics" which will be available in the Humanities Department. The required documents should be submitted to the Director of the Department of Humanities. The Director of the Humanities Department, in conjunction with the Coordinator of the Philosophy Program, will evaluate the requests for admission.

10. The final dates of submission for admission to the program are subject to the dates for Readmission and Internal Transfer established every year by the Administrative Board.

11. The Sequence consists of 15 credits distributed as follows:
    (a) FILO 3155 is required of all students in the sequence
    (b) the remaining 12 credits need to be completed from the following two groups:

Group A	Group B
FILO 3178: Business Ethics	FILO 3156: Modern & Contemporary Ethics
FILO 3185: Computer Ethics	FILO 3195: Global Ethics
FILO 4025: Medical Ethics	FILO 4160: Philosophy of Technology
FILO 4027: Bioethics	
FILO 4045: Ethics in Engineering	

5. In addition to the above courses, students in this Sequence be permitted (and it is highly recommended) to take one of the following 5 courses.

FILO 3001 (Introduction to Philosophy: Major Questions)
FILO 3002 (Introduction to Philosophy: Historical Approach)
FILO 3167 (Symbolic Logic I)
FILO 3168 (Philosophy of Science)
FILO 4155 (Advanced Ethics)

None of these courses have prerequisites. The students can take these courses in any order.

6. To graduate with the Certificate in Practical and Professional Ethics, students must have a GPA within the Sequence of 2.5 or higher as well as a general GPA of 2.20. Student transcripts will indicate the completion of the Curricular Sequence in Practical and Professional Ethics.

Student Profile

The graduates of the Curricular Sequence in Practical and Professional Ethics will obtain a basic and balanced foundation in the field. They will develop basic skills for the identification of ethical problems, and the articulation of ethically justified courses of action. In order to articulate these ethically justified courses of action, students will have to develop basic skills of ethical argumentation.

The Sequence will prepare the students for:
   a. Continuing studies in ethics or a related field.
   b. Working as organizational ethics officers or advisors.
   c. Teaching basic courses in ethics at the primary or secondary school level.
   d. Serving as instructors of Ethics in informal settings in companies, hospitals, and other institutions.
   e. Serving as members of Ethics Boards and Committees in different professional and occupational settings.

Assessment Plan

Upon the approval and commencement of the Certificate Program in Practical and Professional, an evaluation will be conducted every two years for revising, updating, and improving the Sequence, as well as coordinating the academic offering. This evaluation will compile and consider the following data:

   a. the number of students enrolled in the sequence.
   b. student evaluations of the sequence.
   c. Interview and survey of students and professors in the Certificate Program.
   d. student exit interviews.
   e. oral and written examinations in the form of quizzes, essays, exams, and term papers.

The Humanities Department Director and Philosophy Program Coordinator in charge of the academic coordination and sequence revisions will periodically present report to the Department of Humanities and the College of Arts and Sciences on the status of the sequence.

Appendices

<u>**Resources**</u>
The certificate is sponsored by the Department of Humanities. The courses leading to the Certificate will utilize the classrooms, computer labs, and other resources assigned to the Department of Humanities. The University Library, the Humanities Department, and the Center for Ethics in the Professions possess books, journals, and electronic media for use in these courses.

<u>**Administration**</u>
The Sequence will be administered by the coordinator of the Philosophy Program. The Coordinator will be in charge of administering the Assessment Plan and assuring that the program is consonant with the goals and missions of the University and Department of Humanities.

Faculty Available to Teach Specific Courses
Dr. Anderson Brown (Introduction to Philosophy)
Dr. Jorge Jose Ferrer (Bioetics, Medical Ethics)
Dr. Hector Huyke (Philosophy of Technology, Introduction to Ethics, Introduction to Philosophy)
Dr. David Lorenzo (Introduction to Ethics, Ethics in Engineering, Business Ethics, Computer Ethics)
Dr. Rosa F. Martinez Cruzado (Engineering Ethics, Introduction to Ethics, Introduction to Philosophy, Symbolic Logic)
Dr. Brian Muñoz (Medical Ethics, Introduction to Ethics, Introduction to Philosophy, Modern and Contemporary Ethics)
Dr. Halley Sanchez (Introduction to Ethics, Philosophy of Science, Symbolic Logic)
Dr. Juan Jose Sanchez (Introduction to Ethics, Introduction to Philosophy)
Dr. Anayra Santory (Engineering Ethics, Introduction to Ethics, Global Ethics)

<u>**Bibliography**</u>
The following are classics in the areas and have not been superseded.

Established and Primary Source Material (Available in the University, Departmental and Center for Practical and Professional Ethics Libraries):

In *Classics of Western Philosophy* latest edition (ed. Steven M. Cahn) can be found:
   Plato. *Meno, Euthyphro, Apology, Crito, Phaedo, Gorgias, Republic, Laws*
   Aristotle. *Nicomachean Ethics*.
   St. Thomas Aquinas. *Summa Theologica*
   Spinoza. *Ethics*
   Hobbes, Thomas. *Leviathan*
   Hume, David. *Treatise of Human Nature and An Inquiry Concerning the Principles of*

Morals
Immanuel Kant. *Critique of Practical Reason. Grounding for the Metaphysics of Morals. Metaphysics of Morals.*
Bentham, Jeremy. *Introduction to the Principle of Morals and Legislation*.
Mill, John Stuart. *Utilitarianism. On Liberty*.

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Harris, Charles, Michael Pritchard, & Michael Rabins. *Engineering Ethics: Concepts and Cases*, 3rd Ed. Thompson Publishing. 2008.
Whitbeck, Carolyn. *Ethics in Engineering Practice and Research*. Cambridge. 1999.
Martin, Mike& Roland Schinzinger. *Ethics in Engineering*, 4th Edition. McGraw-Hill. 2005.
Science and Engineering Ethics. Opragen Publications
Lugo, Elena. *La Etica Profesional Para La Ingeniera*. Liberia Universal. 1985.

Business Ethics
Baron, David. *Business and its environment* (5th ed), 2006.
Business Ethics Quarterly. Philosophy Documentation Center. Bowling Green University.
Clegg, Stewart. *Management ethics: contemporary contexts.* 2006.
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Werhane, Patricia. *Moral Imagination and Management Decision-Making*. Oxford, 1999.
Zimmerli, Walther. *Corporate ethics and corporate governance.* 2007

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Encyclopedia of Bioethics. Ed by Stephen G. Post. Thompson Publishing Company.
The Hastings Center Report. The Hastings Center. New York.
Kennedy Institute of Ethics Journal. Kennedy Institute of Ethics. Johns Hopkins University Press.
The National Catholic Bioethics Quarterly. The National Catholic Bioethics Center. The American Journal of Bioethics. Taylor & Francis, Inc.
Science. The American Association for the Advancement of Science. Washington, DC
Ferrer, Jorge J. *Deber y deliberación: una invitación a la bioética*. 2007.
Lolas F., Quezada A. & Rodriguez e., *Investigacion en salud. Dimension etica*, Santiago de Chile, Centro de InvestigaciOn de Estudios en Bioetica (CIBE) de la Universidad de Chile, 2006.
Macrina F. L. (Ed.), *Scientific Integrity. Texts and Cases in Responsible Conduct of Research*, 3rd Edition, Washington, DC, ASM Press, 2005.
Resnik D. b., *The Ethics of Science. An Introduction*, London and New York, Routledge2001.
Sales B. D. Y Folkman S. (Eds.), *Ethics in Research with Human Participants*, Washington D.C., American Psychological Association, 2001.

Shamoo A. E. Y Resnik D. B., *Responsible Conduct of Research*, New York, Oxford University Press, 2003.

Santos Y Vargas L., *Bioetica critica*, San Juan, Institute Hostosiano de Bioetica, Universidad de Puerto Rico, 2006.