Date: 1/14/2010

Name of Graduate Certificate: Biomedical Ethics

College: Medicine  Department: Internal Medicine

Contacts:

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Phone</th>
<th>e-mail address</th>
<th>Location</th>
<th>Mail Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grad Cert Director</td>
<td>Lois LaCivita Nixon, PhD</td>
<td>813-974-2010</td>
<td><a href="mailto:lincxiv@health.usf.edu">lincxiv@health.usf.edu</a></td>
<td>COM</td>
<td>MDC 19</td>
</tr>
<tr>
<td>Advisor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admin. Asst.</td>
<td>Barbara L. Pearce</td>
<td>813-974-5300</td>
<td><a href="mailto:bpearce@health.usf.edu">bpearce@health.usf.edu</a></td>
<td>COM</td>
<td>MDC 19</td>
</tr>
</tbody>
</table>

Non-substantive changes, such as changing certificate directors or certificate titles, can be approved by the Dean of the Graduate School or the Director of Graduate Certificates. All other changes must be approved by the Graduate Council before they can be implemented. Attendance before the Curriculum Subcommittee by the certificate program director or a representative is required. Please contact the Office of Graduate Certificates at 974-2442 for meeting schedule.

Directions:
- Complete both the current requirement and the proposed change fields.
- Provide a brief justification for the change on page two of this form.
- Get the approval and signatures of your department chair and associate dean.
  Other signatures will be obtained by the Office of Graduate Certificates.
- Send the original, signed document to the Office of Graduate Certificates in SVC1072.

<table>
<thead>
<tr>
<th>Type of Change (director title, admission requirement, required course, elective course, other)</th>
<th>Current Requirement</th>
<th>Proposed Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Description</td>
<td>See website</td>
<td>See attachment</td>
</tr>
<tr>
<td>Admission</td>
<td>1. A bachelor's degree form a regionally accredited college, preferable in any of the biological or chemical sciences. 3. Quantitative and qualitative, etc.</td>
<td>See attachment</td>
</tr>
<tr>
<td>Required</td>
<td>Total program hours: 11 to 12 credit hours</td>
<td>See attachment</td>
</tr>
<tr>
<td>GMS 6870 Medical Ethics and Humanities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH 6070 Biotechnology and Bioethics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GMS 7930 Biomedical Ethics (3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>One elective course is required from the list below</td>
<td>See attachment</td>
</tr>
<tr>
<td>GMS 6891 Medicine and the Movies (3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GMS 6871 Health Sciences Ethics (3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GMS 7930 Health and Social Justice (3)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Purpose – Describe why the change(s) are needed and how the graduate certificate will be improved:

The changes are far more focused and reflect what we have determined to be student needs and interests.

<table>
<thead>
<tr>
<th>APPROVALS</th>
<th>NAME</th>
<th>SIGNATURE</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Chair</td>
<td>Allan Goldman, MD</td>
<td>[Signature]</td>
<td>1/10</td>
</tr>
<tr>
<td>College Committee Chair</td>
<td>Burt Anderson, PhD</td>
<td>[Signature]</td>
<td>1/27/10</td>
</tr>
<tr>
<td>College Assoc. Dean</td>
<td>Michael Barber, PhD</td>
<td>[Signature]</td>
<td>1/30/10</td>
</tr>
<tr>
<td>Graduate Council Chair</td>
<td>Jim Strange</td>
<td>[Signature]</td>
<td>2/24/10</td>
</tr>
<tr>
<td>Graduate Certificates</td>
<td>Karen Liller or Loretta Lenker</td>
<td>[Signature]</td>
<td>3/1/10</td>
</tr>
</tbody>
</table>
**Brief Description:**

The Graduate Certificate in Biomedical Ethics is designed for nurses, physicians, researchers, health care administrators, and others interested in developing core competencies in this vital field. The courses provide an interdisciplinary framework on historical, social, scientific, and medical contexts that have contributed to the emerging complexities.

For those who seek the skills, credentials, and specialized expertise demanded of healthcare professionals, the wide range of courses examine contemporary concerns and dilemmas associated with patient autonomy, informed consent, human experimentation, organ transplantation, justice, and end-of-life dilemmas and decisions.

If we want well-informed decisions and sound public policy, we need thoughtful insights drawn from a broad mix of disciplines.

**Topics in Biomedical Ethics Include**

- Abortion
- Aging
- Artificial Insemination
- Assisted Suicide
- Cloning
- Disability
- Feeding Tube
- Gene Therapy
- Health Care Economics
- Health Policy
- Health Disparities
- Medical Malpractice
- Medical Research
- Nanomedicine
- Organ Donation
- Pain Management
- Patient's Rights
- Prescription Drug Care & Costs
- Recreational Drug Legalization
- Stem Cell Research
- Transexuality

**Credit toward graduate degree:** Up to 12 hours of certificate course credits may be applied to a graduate degree with departmental approval.

**Transfer credit:** All students who wish to pursue graduate certificates must be admitted to the graduate certificate program before a second graduate certificate course is completed.

**Standardized tests:** The GRE test is not required for admission to the certificate program. However, the GRE is required for admission to the graduate degree programs. International students must submit a TOEFL score when English is not the native language. A minimum score of 550 on the paper-based test or 79 on the web-based test is required.

(The green text is currently correct on the Metro Initiatives website. No changes necessary).

**Admission requirements:**

The prerequisites for admission to this certificate are:

1. A bachelor's degree or its equivalent from a regionally accredited college
2. A minimum undergraduate GPA of 3.0 on a 4.0 scale.
Curriculum:

REQUIRED:

THREE of the following:

GMS 6870 Medical Ethics & Humanities: Tools and Foundations
GMS 6941 Bioethics Internship
GMS 6902 Bioethics Independent/Directed Study
GMS 7930 Spirituality & Medicine (partially online)
GMS 7930 Clinical Ethics (partially online)
GMS 6891 Medicine and the Movies (online)
GMS 7930 Health and Social Justice
GMS 7930 Reproductive Ethics

ELECTIVES:

ONE Elective Course

One graduate-level course that contributes to the overall competency in breadth of topics related to biomedical ethics such as Bioinformatics, Biotechnology, Medical Sciences, Women's Health, Public Health, Religion, Anthropology, and Sociology.