GS21 1152 Scientific Writing

Swindell, Eric. **Two semester hours.** Spring, annually.
Grading System: **Pass or Fail**
Prerequisite: **2nd year/pre-candidacy students**

Tuesday/Thursday 1:00-2:30pm
GSBS Large Classroom, BSRB S3.8371
GSBS Small Classroom  BSRB S3.8367     All days
GSBS APR          BSRB S3.8456    All days except for April 14th
GSBS Library      BSRB S3.8351   (For April 14th only - conflict in the GSBS APR)
FCT14.5059 - Thursdays 1-2:30pm (Medical Physics)

The objectives of the course are to teach critical thinking and the fundamentals of proposal writing that will help students write candidacy exam proposals, grants, papers, meeting abstracts, and theses/dissertations. Students will develop a research plan and write a 6-page grant proposal. Students will also learn to edit and critique their fellow students’ proposals, which will help prepare the students for writing and editing their candidacy exam. Weekly meetings will consist of lectures from faculty/experts addressing how to compose grant proposal sections. In addition, students will meet weekly with faculty in small groups to critique/discuss writing assignments during which students will be given feedback on their proposal content/style by faculty and fellow students.

**This course fulfills the GSBS Scientific Writing requirement.**

**NOTE:**
The proposal written for this course CANNOT be used in any part in students’ candidacy exam.

Students enrolled in Graduate Programs that require an off-topic candidacy exam can develop their proposal on their own research topic (or any topic not related to their planned candidacy exam topic).

Students enrolled in Graduate Programs that require an on-topic candidacy exam will develop their proposal on any topic of interest not related to their own research.
Syllabus
Jan 12 – Intro to Class & Basics of Writing (PICUS) – 2-3pm!!
Jan 14 – no class

Jan 19 – How to organize what you are writing (PICUS) – 2-3pm!!
Jan 21 – Introduce Faculty Moderators/Topics Presented

Jan 26 – Developing & Clearly Stating your Hypothesis (GARSIN)
Jan 28 – Hypothesis Presented

Feb 2 – Formulating Specific Aims (GARSIN)
Feb 4 – Specific Aims Presented

Feb 9 – How to write a Specific Aims Page (MORANO)
Feb 11 – Specific Aims critique

Feb 16 – Figures & References (GLADDEN)
Feb 18 – Specific Aims Page critique 1

Feb 23 – How to write a Background Section (BERDEAUX)
Feb 25 – Specific Aims Page critique 2

Mar 1 – Faculty Roundtable (ARUR, GALKO and KOEHLER)
Mar 3 – Background critique 1

Mar 8 – Spring Break/no class
Mar 10 – Spring Break/no class

Mar 15 – How to write a Significance Section (VAN HOOF)
Mar 17 – Significance critique 2

Mar 22 – Abstract Writing (GOODOFF)
Mar 24 – Significance critique 1

Mar 29 – How to write a Research Plan 1 Section (COLE)
Mar 31 – Research Plan critique 1

Apr 5 – How to write a Research Plan 2 Section (COLE)
Apr 7 – Research Plan critique 1

Apr 12 – Fine tuning your proposal (NINETTO)
Apr 14 – Research Plan critique 2

Apr 19 – Presentations/Mock Review Panels/Feedback
Apr 21 – Presentations/Mock Review Panels/Feedback

Apr 26 – Presentations/Mock Review Panels/Feedback
Apr 28 – Presentations/Mock Review Panels/Feedback

May 3 – Finals Week/no class
May 5 – Finals Week/no class
THURSDAY SESSION MODERATORS

CANCER BIOLOGY
David MCCONKEY
Junjie CHEN
Boyi GAN
GSBS Small Classroom (BSRB S3.8367) – Thursdays 1-2:30pm

BBSB
Prahlad RAM
Ken CHEN
GSBS Large Classroom (BSRB S3.8371) – Thursdays 1-2:30pm

Med Physics
Bud WENDT
FCT14.5059 – Thursdays 1-2:30pm

Neuroscience
John O’BRIEN
Nick JUSTICE
Neal WAXHAM
Jiaqian WU
Room Assignments:

<table>
<thead>
<tr>
<th>Date</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/28/16</td>
<td>MSB B.610</td>
</tr>
<tr>
<td>2/4/16</td>
<td>MSB B.610</td>
</tr>
<tr>
<td>2/11/16</td>
<td>MSB B.610</td>
</tr>
<tr>
<td>2/18/16</td>
<td>MSB B.610</td>
</tr>
<tr>
<td>2/25/16</td>
<td>MSB B.610</td>
</tr>
<tr>
<td>3/3/16</td>
<td>MSB B.610</td>
</tr>
<tr>
<td>3/17/16</td>
<td>MSB B.620</td>
</tr>
<tr>
<td>3/24/16</td>
<td>MSB B.620</td>
</tr>
<tr>
<td>3/31/16</td>
<td>MSB B.620</td>
</tr>
<tr>
<td>4/7/16</td>
<td>MSB B.610</td>
</tr>
<tr>
<td>4/14/16</td>
<td>MSB 7.037</td>
</tr>
<tr>
<td>4/21/16</td>
<td>MSB B.620</td>
</tr>
<tr>
<td>4/28/16</td>
<td>MSB B.610</td>
</tr>
</tbody>
</table>