

College Curriculum Proposal Approval and Routing Form

TITLE OF PROPOSAL: Summer Science Program

Originating Faculty: E. Dupuis, D. Hauber, R. Tucci and A.Kargol

Department/College: CAS Chairperson: E. Dupuis

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Type of Proposal (Check all that apply):

New Major¹ New Minor New Concentration Revise Existing Program

New Course Change to Existing Course Discontinue Program

Undergraduate Graduate Online Professional & Cont. Studies Other

1. Resources and Fees:

If this is a proposed revision, are there existing fees? No Yes \$

Will course or program fees be required for this course/program? No Yes \$

Are new resources needed for implementing this proposal? No Yes

If yes, include complete description and dollar amount in proposal.

2. College Review and Approvals:

a. Department/School (Chair) Date:
Approved Not Approved

b. College Curriculum Committee (Chair) Date:
Approved Not Approved

c. College Dean Date:
Supported Not Supported

3. Intercollegiate Review and Recommendations Required as applicable to proposal:

a. Online Education Committee (Chair) Date:
Recommended Not Recommended

b. Professional and Continuing Studies Committee (Chair) Date:
Recommended Not Recommended

c. Graduate Council (Chair) Date:
Recommended Not Recommended

4. University² Recommendations Required as applicable to proposal:

a. University Courses & Curriculum Committee (Chair) Date:
Recommended Not Recommended

b. Standing Council for Academic Planning (Chair) Date:
Recommended Not Recommended

¹ New Degree to be Offered---Requires SACS Notification 6 Months Prior to Start

² Approval by the Strategic Planning Team, University Budget Committee, and/or Board of Trustees may be required for proposals that have significant impact on resources or mission. Proposals to establish or discontinue degree programs require approval by Board of Trustees and SACS.

**PROPOSAL TO LOYOLA UNIVERSITY NEW ORLEANS
SUMMER SCIENCE PROGRAM**

The Departments of Psychological Sciences, Biological Sciences, Computer Science, and Physics will venture into a unique collaboration during the Summer 2017 session. In an effort to gain more attention for our popular science programs and to recruit additional students from area high schools, we will offer a one-week intensive science program to rising Juniors and Seniors.

A main concern for offering such a program is our ability to attract students during their summer months (often used for employ, community service requirements, or enjoyment). As such, we propose offering these students a 1-credit course from Loyola. This course credit will be titled, "Introduction to the Sciences". We will seek to recruit approximately 15 students for the one-week session. If there is enough interest, we will run a second week-long session for an additional 15 students. Students will not be charged a fee for this program – making us competitive against the larger research institutions in the area who offer similar (albeit longer) programs.

The theme for this session will be "Neuro Camp". Our background research shows that we would be unique in the area for offering a free, one-week long, entirely neuroscience based program. We will recruit students via social media, by sending letters/flyers to area high schools, and by promoting the event to parenting groups (such as New Orleans Moms Blog which currently has over 36,000 followers). Accepted students will be given t-shirts with the camp name and the Loyola brand.

It is our sincerest hope that the administration will recognize the importance of such a program in our efforts to recruit students to Loyola, at a time when we desperately need to draw on the local market. Attached is a draft schedule with objectives and a proposed assessment for the program.

Sincerely,

Erin Dupuis, Chair Psychological Sciences

Don Hauber, Chair Biological Sciences

Ralph Tucci, Chair Mathematic Sciences

Armin Kargol, Chair Physics

Objectives, Schedule, and Assessment

Participation in this summer program will allow students to conduct laboratory activities with faculty in a college setting. Activities in these joint sessions will help students learn more about the nature of science and particularly about the areas of science available at Loyola University.

Objectives:

1. Students will gain a general overview of the laboratory techniques employed by various faculty in the sciences.
2. Students will be able to apply what they have learned and how it might benefit their future goals.

Example Schedule (estimated start date June 19th):

Day 1, Monday: Elin Grissom

10:00-12:00: Psychology Lab Session (Rodent Models of Neuroscience)

12:15-1:00: LUNCH

1:15-2:30: Continue...

2:30-3:00: Wrap up and Discussion

Day 2, Tuesday: Frank Jordan

10:00-12:00: Biology Lab Session (Comparative Animal Behavior)

12:15-1:00: LUNCH

1:15-2:30: Continue...

2:30-3:00: Wrap up and Discussion

Day 3, Wednesday: Armin Kargol

10:00-12:00: Physics Lab Session (Bioelectricity)

12:15-1:00: LUNCH

1:15-2:30: Continue...

2:30-3:00: Wrap up and Discussion

Day 4, Thursday: Scott McDermott or Ralph Tucci

10:00-12:00: Computer Science Session (Topic still undetermined)

12:15-1:00: LUNCH

1:15-2:30: Continue...

2:30-3:00: Wrap up and Discussion

Day 5, Friday: Kate Yurgil

10:00-12:00: Psychology Lab Session (EEG technology)

12:15-1:00: LUNCH

1:15-2:30: Continue...

2:30-3:00: Wrap up and Discussion

3:00-4:00: Poster Design Session

Day 6, Saturday

12:00-1:00: Student Poster Session with refreshments for families

1:00-2:00: Overall wrap-up and discussion

Assessment Plan:

Students will be required to design a poster regarding what they have learned as well as how what they have learned will relate to their future career goals. Guidance will be provided by the involved faculty. Students will then present these posters during a session attended by Loyola faculty and the students' families.