Outlook

Re: Consultation on Proposed Computational Neuroscience Course

---

From Sarah Milton <smilton@fau.edu>
Date Wed 3/25/2026 1:48 PM
To Yue Liu <yueliu@fau.edu>
Cc Javad Hashemi <jhashemi@fau.edu>

Thank you for adjusting the syllabus to reduce conflict with any other courses. Biology approves in its current format.

Dr. Sarah L. Milton
Professor and Chair
Department of Biological Sciences
FAU

From: Yue Liu <yueliu@fau.edu>
Sent: Monday, March 23, 2026 4:45 PM
To: Sarah Milton <smilton@fau.edu>
Cc: Javad Hashemi <jhashemi@fau.edu>
Subject: Re: Consultation on Proposed Computational Neuroscience Course

Dear Sarah,

I wanted to follow up on the course proposal I shared a while ago. I have reached out to the faculty who teach the two potentially overlapping courses you mentioned. I modified the syllabus after the discussion, and both of them have now supported the course. Their emails are attached.

I wonder if you could take a look at the modified syllabus and let us know if you support this course?

Thanks,
Yue

Yue Liu, Ph.D.
Assistant Professor
Department of Biomedical Engineering
Stiles-Nicholson Brain Institute
Florida Atlantic University
Lab: https://liuyuue.github.io/

From: Sarah Milton <smilton@fau.edu>
Sent: Tuesday, February 24, 2026 11:00 AM
To: Yue Liu <yueliu@fau.edu>

Outlook

Re: Consultation on Proposed Computational Neuroscience Course

From Sarah Milton <smilton@fau.edu>
Date Tue 2/24/2026 11:00 AM
To Yue Liu <yueliu@fau.edu>
Cc Javad Hashemi <jhashemi@fau.edu>; Myeongsub Kim <kimm@fau.edu>

Good morning Yue - I shared the syllabus with my faculty who teaches a similar course, and he did have some concerns you might address:

The course is extremely similar to a Psychology course "Computational Neuroscience", and the one offered in Biology: "Brain Modeling and Simulation". One thing they might not have noticed is that the one offered in Biology is an undergraduate level course and covers 3/4 of what is offered in this course. The remaining 1/4 is probably covered in Will's (Psych) course.
I would suggest that they reframe the course to cover models of cognition and decision-making, which is actually Yue Liu's expertise, or even some more Brain Machine Interface, which is a topic that's more proper for Engineering, wouldn't overlap, and would add an interesting course for FAU.

Best,
Sarah

Dr. Sarah L. Milton
Professor and Chair
Department of Biological Sciences
FAU

From: Yue Liu <yueliu@fau.edu>
Sent: Monday, February 23, 2026 3:25 PM
To: Sarah Milton <smilton@fau.edu>
Cc: Javad Hashemi <jhashemi@fau.edu>; Myeongsub Kim <kimm@fau.edu>
Subject: Consultation on Proposed Computational Neuroscience Course

Dear Dr. Milton,

My name is Yue Liu, and I am a new faculty at the Department of Biomedical Engineering. I am preparing a proposal for a new course in computational neuroscience for the Fall semester. I was advised to consult with you to confirm whether there are any similar courses currently offered in your department.

Please find the draft syllabus for the proposed course attached. I would greatly appreciate

your feedback, particularly regarding any potential overlap with existing offerings.

Thank you very much for your time and help.

Best regards,
Yue

Yue Liu, Ph.D.
Assistant Professor
Department of Biomedical Engineering
Stiles-Nicholson Brain Institute
Florida Atlantic University
Lab: https://liuyuue.github.io/

Outlook

support to Introduction to Computational Neuroscience

From Rodrigo De Oliveira Pena <penar@fau.edu>
Date Fri 2/27/2026 4:40 PM
To Yue Liu <yueliu@fau.edu>

Dear Yue,

Thanks for the modifications to your proposal for an Introduction to Computational Neuroscience course.
I support the current format, and I don't see overlap with my class.

Best,
Rodrigo

Outlook

Re: Consultation on Proposed Computational Neuroscience Course

From Alan Kersten <akersten@fau.edu>
Date Tue 2/24/2026 4:10 PM
To Sarah Milton <smilton@fau.edu>; Yue Liu <yueliu@fau.edu>
Cc Javad Hashemi <jhashemi@fau.edu>; Myeongsub Kim <kimm@fau.edu>

1 attachment (181 KB)
ISC 6460 001 Computational Neuroscience 1 - Simple Syllabus.pdf;

Hi Yue,
Here's the syllabus for Computational Neuroscience, taught by Will Alexander in Psychology (and also Complex Systems). -Alan

---
Alan Kersten
Professor and Chair
Department of Psychology
Florida Atlantic University
Boca Raton, FL 33431

From: Sarah Milton <smilton@fau.edu>
Sent: Tuesday, February 24, 2026 2:19 PM
To: Yue Liu <yueliu@fau.edu>
Cc: Javad Hashemi <jhashemi@fau.edu>; Myeongsub Kim <kimm@fau.edu>; Alan Kersten <akersten@fau.edu>
Subject: Re: Consultation on Proposed Computational Neuroscience Course

Good afternoon - You will need to ask Alan Kersten, chair of Psych for that. I have cc'd him here.

Dr. Sarah L. Milton
Professor and Chair
Department of Biological Sciences
FAU

From: Yue Liu <yueliu@fau.edu>
Sent: Tuesday, February 24, 2026 11:19 AM
To: Sarah Milton <smilton@fau.edu>
Cc: Javad Hashemi <jhashemi@fau.edu>; Myeongsub Kim <kimm@fau.edu>
Subject: Re: Consultation on Proposed Computational Neuroscience Course

Thank you, Sarah. May I take a look at the syllabus of the psychology course?

Best,
Yue

Yue Liu, Ph.D.
Assistant Professor
Department of Biomedical Engineering
Stiles-Nicholson Brain Institute
Florida Atlantic University
Lab: https://liuyuue.github.io/

From: Sarah Milton <smilton@fau.edu>
Sent: Tuesday, February 24, 2026 11:00 AM
To: Yue Liu <yueliu@fau.edu>
Cc: Javad Hashemi <jhashemi@fau.edu>; Myeongsub Kim <kimm@fau.edu>
Subject: Re: Consultation on Proposed Computational Neuroscience Course

Good morning Yue - I shared the syllabus with my faculty who teaches a similar course, and he did have some concerns you might address:

The course is extremely similar to a Psychology course "Computational Neuroscience", and the one offered in Biology: "Brain Modeling and Simulation". One thing they might not have noticed is that the one offered in Biology is an undergraduate level course and covers 3/4 of what is offered in this course. The remaining 1/4 is probably covered in Will's (Psych) course.
I would suggest that they reframe the course to cover models of cognition and decision-making, which is actually Yue Liu's expertise, or even some more Brain Machine Interface, which is a topic that's more proper for Engineering, wouldn't overlap, and would add an interesting course for FAU.

Best,
Sarah

Dr. Sarah L. Milton
Professor and Chair
Department of Biological Sciences
FAU

From: Yue Liu <yueliu@fau.edu>
Sent: Monday, February 23, 2026 3:25 PM
To: Sarah Milton <smilton@fau.edu>
Cc: Javad Hashemi <jhashemi@fau.edu>; Myeongsub Kim <kimm@fau.edu>
Subject: Consultation on Proposed Computational Neuroscience Course

Dear Dr. Milton,

My name is Yue Liu, and I am a new faculty at the Department of Biomedical Engineering. I am preparing a proposal for a new course in computational neuroscience for the Fall semester. I was advised to consult with you to confirm whether there are any similar courses currently offered in your department.

Please find the draft syllabus for the proposed course attached. I would greatly appreciate your feedback, particularly regarding any potential overlap with existing offerings.

Thank you very much for your time and help.

Best regards,
Yue

Yue Liu, Ph.D.
Assistant Professor
Department of Biomedical Engineering
Stiles-Nicholson Brain Institute
Florida Atlantic University
Lab: https://liuyuue.github.io/

Gmail Liu <yueallenliu@gmail.com>

Fwd: Consultation on Proposed Computational Neuroscience Course

Randy Blakely <rblakely@health.fau.edu> Tue, Feb 24, 2026 at 9:18 AM
To: Yue Liu <yl4317@nyu.edu>, Linda Petersen <lpetersen@fau.edu>, Howard Prentice <hprentic@health.fau.edu>
Cc: Javad Hashemi <jhashemi@fau.edu>, Myeongsub Kim <kimm@fau.edu>, Tanja Godenschwege <godensch@fau.edu>

Hi Yue
Thanks for checking in on your course. Howard Prentice and/or Linda Petersen with the NGP can provide you with the information on the computational neuroscience course taught by William Alexander in Psychology/Complex Systems as one of two core options for our program. There might be other electives on the books for the NGP that should be considered also but William's course is the most important one from the Neuroscience side to consider as to overlap. Linda can refer you to our full elective list. I'm sure that William would be happy to discuss his course with you to ensure your offering can build from it for the NGP students as an elective while still providing what is needed for the Engineering students. I'm copying Tanja Godenschwege as well who chairs the NGP Steering Committee.

Randy

Begin forwarded message:

From: Yue Liu <yueliu@fau.edu>
Date: February 23, 2026 at 3:23:12 PM EST
To: Randy Blakely <rblakely@health.fau.edu>
Cc: Javad Hashemi <jhashemi@fau.edu>, Myeongsub Kim <kimm@fau.edu>
Subject: Consultation on Proposed Computational Neuroscience Course

Hi Randy,

I hope you're doing well.

I am preparing a proposal for a new course in computational neuroscience for the Fall semester. I was advised to consult with you to confirm whether there are any similar courses currently offered in your department.

Please find the draft syllabus for the proposed course attached. I would greatly appreciate your feedback, particularly regarding any potential overlap with existing offerings.

Thank you very much for your time and help.

Best regards,
Yue

Yue Liu, Ph.D.

Assistant Professor
Department of Biomedical Engineering
Stiles-Nicholson Brain Institute
Florida Atlantic University
Lab: https://liuyuue.github.io/

CONFIDENTIALITY NOTICE: The information contained in this transmission may contain privileged and confidential information, including patient information protected by federal and state privacy laws. It is intended only for the use of the person(s) named above. If you are not the intended recipient, you are hereby notified that any review, dissemination, distribution, or duplication of this communication is strictly prohibited. If you are not the intended recipient, please contact the sender by reply email, report the error to FAU's Chief Compliance Officer, and destroy all copies of the original message.

Fall-2026-1-Full-Term-BME-Introduction-Computational-Neuroscience.docx
121K

Outlook

feedback

From William Alexander <walexander@fau.edu>
Date Fri 2/27/2026 2:57 PM
To Yue Liu <yueliu@fau.edu>

Hi Yue - as we discussed earlier, I don't believe there is a great deal of overlap between your proposed course and my Computational Neuroscience course. The proposed course is at the undergraduate level, so it shouldn't impact interest in my graduate level course. While there are some overlaps in the content, the focus seems to be sufficiently different so as not to make the two courses completely redundant. As we agreed, I think it will be much more important for you to discuss the overlap of your course with Rodrigo Pena's modeling course.

William Alexander
Associate Professor
Center for Complex Systems & Brain Sciences
Florida Atlantic University
walexander@fau.edu

From: Yue Liu <yueliu@fau.edu>
Sent: Friday, February 27, 2026 3:29 PM
To: Maria Jennings <mjenning@fau.edu>
Cc: Javad Hashemi <jhashemi@fau.edu>; Myeongsub Kim <kimm@fau.edu>; Yalan Liu <yalanliu@fau.edu>
Subject: Re: BME Course Development

Hi Maria,

The chair of physics has not responded. I met with Dr. William Alexender from Psychology and he does not have much objection to my course, but he suggested me to talk to Rodrigo Pena from Biology who is teaching a similar course. I have reached out to Rodrigo and he will respond by the end of today.

Below is an email from William:

Hi Yue - as we discussed earlier, I don't believe there is a great deal of overlap between your proposed course and my Computational Neuroscience course. The proposed course is at the undergraduate level, so it shouldn't impact interest in my graduate level course. While there are some overlaps in the content, the focus seems to be sufficiently different so as not to make the two courses completely redundant. As we agreed, I think it will be much more important for you to discuss the overlap of your course with Rodrigo Pena's modeling course.

Best,

Yue

Yue Liu, Ph.D.

Assistant Professor

Department of Biomedical Engineering

Stiles-Nicholson Brain Institute

Florida Atlantic University

Lab: https://liuyuue.github.io/