

# FLORIDA ATLANTIC UNIVERSITY™

UGPC APPROVAL \_\_\_\_\_  
 UFS APPROVAL \_\_\_\_\_  
 SCNS SUBMITTAL \_\_\_\_\_  
 CONFIRMED \_\_\_\_\_  
 BANNER POSTED \_\_\_\_\_  
 CATALOG \_\_\_\_\_

## Graduate Programs—NEW COURSE PROPOSAL<sup>1</sup>

DEPARTMENT: COMMUNICATION SCIENCES  
AND DISORDERS

COLLEGE: EDUCATION

**RECOMMENDED COURSE IDENTIFICATION:**

PREFIX \_\_\_\_\_ SPA \_\_\_\_\_ COURSE NUMBER 5107 LAB CODE (L or C) \_\_\_\_\_

COMPLETE COURSE TITLE: **Neural Bases of Human Communication**

**EFFECTIVE DATE**

(first term course will be offered)

SPRING 2018

CREDITS<sup>2</sup>:

**TEXTBOOK INFORMATION:**

MATHEW H ROUSE, NEUROANATOMY FOR SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY (FIRST EDITION), 2015, JONES AND BARTLETT LEARNING, BURLINGTON, MA

3

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR  PASS/FAIL \_\_\_\_\_ SATISFACTORY/UNSATISFACTORY \_\_\_\_\_

**COURSE DESCRIPTION, NO MORE THAN THREE LINES:**

Study of the neuroanatomy and neurophysiology underlying normal speech, language, and hearing. Study of central and peripheral nervous systems related to human communication. Consideration of embryologic development.

PREREQUISITES: NONE

COREQUISITES\*: NONE

REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)\*:

MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE: PHD IN COMMUNICATION SCIENCES AND DISORDERS OR RELATED FIELDS

Faculty contact, email and complete phone number:

ALI A. DANESH, PHD

DANESH@FAU.EDU

5612972071

Please consult and list departments that might be affected by the new course and attach comments.<sup>5</sup>

DEPARTMENTS AT THE COE

Department Chair: Deanna Louise Wener

College Curriculum Chair: [Signature]

College Dean: [Signature]

UGPC Chair: \_\_\_\_\_

Graduate College Dean: \_\_\_\_\_

UFS President: \_\_\_\_\_

Provost: \_\_\_\_\_

Date: 9/19/2017  
9/20/17  
9/20/17

1. Syllabus must be attached: see guidelines for requirements:

[www.fau.edu/provost/files/course\\_syllabus.2011.pdf](http://www.fau.edu/provost/files/course_syllabus.2011.pdf)

2. Review Provost Memorandum:

**Definition of a Credit Hour**  
[www.fau.edu/provost/files/Definition\\_Credit\\_Hour\\_Memo\\_2012.pdf](http://www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf)

3. Consent of affected departments (attach if necessary)

**GRADUATE COLLEGE**

**SEP 25 2017**

DEPARTMENT OF COMMUNICATION SCIENCES AND DISORDERS  
FLORIDA ATLANTIC UNIVERSITY  
Spring 2018  
Course Syllabus  
SPA 5107  
Neural Bases of Human Communication

Professor: Ali Danesh, M.S., PhD, CCC-A, FAAA  
Office: Rm 434 College of Education  
Phone: (561) 297-2071 (Office)  
297-2258 (Communication Disorders Clinic) & 297-6074 (Department Office)  
E-mail: [danesh@fau.edu](mailto:danesh@fau.edu)  
Website: <http://www.coe.fau.edu/faculty/danesh/>  
Office Hours: TBA  
Class Time: TBA  
Class Location: TBA  
Number of Credits: 3  
Prerequisite: None

**Required Text:** MATHEW H ROUSE, NEUROANATOMY FOR SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY (FIRST EDITION), 2015, JONES AND BARTLETT LEARNING, BURLINGTON, MA

**CATALOG DESCRIPTION:** Study of the neuroanatomy and neurophysiology underlying normal speech, language, and hearing. Study of central and peripheral nervous systems related to human communication. Consideration of embryologic development.

**COURSE OBJECTIVES:**

The student will be able to demonstrate:

1. Knowledge of the basic communication process
2. Knowledge of the various portions of the central and peripheral nervous systems
3. Knowledge of the sensory systems
4. Knowledge of the human auditory mechanism including anatomy and neuroanatomy of the peripheral and central systems
5. Knowledge of the cranial nerves, especially those involved in the process of speech and hearing

**ASSIGNMENTS:**

1. Readings: Students are required to read the course material and supporting instructional materials.
2. Due to the nature of the field of Communication Sciences and Disorders, **Student Participation** in class activities and discussions is encouraged.  
**\*\*CLASS PARTICIPATION AND INVOLVEMENT IS ENCOURAGED. STUDENTS ARE FREE TO ASK QUESTIONS, PARTICIPATE IN CLASS DISCUSSIONS, AND SHARE THEIR PERSONAL EXPERIENCE.** Bonus points will be given to academically and collegially active students. The professor reserves the rights in granting bonus points only to eligible students who meet his criteria in classroom participation.
3. Term Project: Each student is required to sketch three neuroanatomical diagrams (e.g., pathways of the nervous system, sections of spinal cord, cerebrum, cerebellum, sensory systems, etc.). They have to be colored and each anatomical portion must be labeled (at least 20 landmarks) (paper size 16X13 inches or greater). Include all of your references and sources. Plagiarism will not be tolerated. Students are encouraged to use illustrations from neuroanatomy atlases and figures from the reliable internet resources. Please see the course professor if you have any questions regarding to your project. Failure to submit your assignment on the stated due date will result, automatically, in a grade of "F".

**GRADING POLICY:**

1. Project: 10% (i.e., 10 points) of your final grade. Failure to submit the project will result in an F grade.
2. Three tests will be given (30% each).

GRADUATE COLLEGE

SEP 22 2017

## GRADING SCALE:

A	=	93-100	C+	=	77-79.99
A-	=	90-92.99	C	=	73-76.99
B+	=	87-89.99	C-	=	70-72.99
B	=	83-86.99	D+	=	67-69.99
B-	=	80-82.99	D	=	63-66.99
			F	<	63%

**ATTENDANCE POLICY:** According to the University policies “Students are expected to attend all of their scheduled University Classes and to satisfy all academic objectives as outlined by the instructor.” Attendance includes meaningful, active involvement in all class sessions, class discussions, and class activities as well as professional, ethical, conduct in class. Reasonable accommodations are made for religious observances. .

**STUDENTS WITH DISABILITIES:** In Compliance with The Americans with Disabilities Act (A.D.A.), students who require special accommodations due to a disability to properly execute coursework must register with the Office for Students Accessibility Services (SAS) located in Boca – SU 133 (561-297-3880), in Davie – MOD I (954-236-1222), or in Jupiter – SR 117 (561-799-8585) and follow all SAS procedures. The purpose of this office “is to provide reasonable accommodations to students with disabilities.” Students who require assistance should notify the professor immediately by **submitting a letter from the SAS to your instructor** requesting your need of specific assistance. Without such letter, the instructor is not obligated to make any accommodations for students.

**CODE OF ACADEMIC INTEGRITY:** Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty, including cheating and plagiarism, is considered a serious breach of these ethical standards, because it interferes with the University mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the University community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see [http://www.fau.edu/regulations/chapter4/4.001\\_Code\\_of\\_Academic\\_Integrity.pdf](http://www.fau.edu/regulations/chapter4/4.001_Code_of_Academic_Integrity.pdf).

**ANTI-DISCRIMINATION AND ANTI-HARASSMENT POLICY:** Students, faculty and staff at Florida Atlantic University are expected to abide by the published anti-discrimination and anti-harassment policy: [https://www.fau.edu/eic/files/5.010\\_Anti-Discrimination\\_and\\_Anti-Harassment.pdf](https://www.fau.edu/eic/files/5.010_Anti-Discrimination_and_Anti-Harassment.pdf)

**CELLPHONE POLICY:** Off or silent mode!

**ELECTRONIC ETIQUETTE:** We are living in an electronic era. Use of technology in my classes is acceptable as long as there is no abuse. You can use your laptop in my class for note taking or surfing the web for course materials ONLY.

**POLICY REGARDING PLAGIARISM AND CHEATING:** There is a zero-tolerance policy for students found plagiarizing or cheating. Students who are found cheating or plagiarizing will receive an immediate “F” in the course.

## Class Schedule

### Class Sessions

### Topic/Reading

- |      |  |
|------|--|
| I    | Introduction to neuroscience, Chapter 1 (essential concepts and principles. What is neuroscience? Why neuroscience of communication, neuroanatomical and neurophysiological terminology) |
| II   | Introduction to the gross structure of the brain,  |
| III. | Morphological Neuroscience and Gross Anatomy. Gross anatomy of the brain continued (anatomical organization of the structures)   |
| IV.  | Cellular neuroscience, introduction to the neurons, neurophysiology of neurons, synapses, action Potential....)  |

GRADUATE COLLEGE

SEP 22 2017

- V. Diencephalon, Thalamus and associated structures, structural basis of thalamic nuclei, anatomy of cerebrum, Brodmann areas
- VI. **Test One.** Sensory and Somatosensory system. Introduction to human senses Chapters 11. Sensory systems (somesthetics (chapter 11), vision (chapter 12), gustation, olfaction), brief description of the structure and central pathways.
- VII. Sensory Systems continued. Introduction to Hearing and Balance. Hearing and Balance, (anatomy of the peripheral systems, neuroanatomy of the systems). Vestibular system.
- VIII. Spring Break (No Class).
- IX. Hearing and Balance Continued. Introduction to the Central auditory pathway, (description of the nuclei, bundles, tracts, and pathways involved in the processing of the acoustic stimuli)
- X. The Auditory and Vestibular systems and Central Auditory Pathways Continued.
- XI. **Test Two.** Motor System. Anatomy of the spinal cord, brainstem, and the cerebellum.
- XII. Anatomy of the spinal cord, brainstem, and the cerebellum, continued. Cranial Nerves and Introduction to diencephalon, AND Motor system Continued.
- XIII. Cranial Nerves Chapter 17, Limbic system, re-examination of cerebrovascular system, re-examination of the ventricular system and CSF circulation.
- IXV. **Project Due Date.** Cortical organization of the language and higher mental function, (language centers of the brain, Brodmann areas, etc.). Speech production and its neural organization. Neural bases of Speech and Language.
- XV. **MRI DATA REVIEWS**
- XVI. **Test Three**

#### BIBLIOGRAPHY

- Bear, M., Connors, B., & Paradiso, M. (2006). Neuroscience Exploring the Brain, 3<sup>rd</sup> Edition. Baltimore: Lippincott, Williams and Wilkins
- Blumenfeld, H. (2010). Neuroanatomy through clinical cases. Sunderland, MA: Sinauer Associates.
- Carpenter, M.B., & Sutin, J. (1983). Human neuroanatomy (8th ed.). Baltimore, MD: Williams & Wilkins.
- DeArmond, S.J., Fusco, M.M., & Dewey, M.M. (1989). Structure of the human brain: A photographic atlas (3rd ed.). New York, NY Oxford University Press.
- Hendelman, W.J. (2006). Atlas of functional neuroanatomy (2nd ed.). Boca Raton, FL: CRC Press.
- Mendoza, J.E., & Foundas, A.L. (2008). Clinical neuroanatomy: A neurobehavioral approach. New York, NY: Springer.
- Pinel, J.P.J., & Edwards, M. (2008). A colorful introduction to the anatomy of the human brain: A brain and psychology coloring book (2nd ed.). Boston, MA: Pearson Education. Clayton, M. (1999) Minor head injury: a cause for concern. Paediatric Nursing, 13(5) 16-18.

GRADUATE COLLEGE

SEP 29 2017

- Flint, G (1999) Head injuries. *British Journal of Theatre Nursing*. 9, 1, 15-21.
- Guyton, A (1992) *Human Physiology and Mechanisms of Disease*. Philadelphia: WB Saunders
- Hickey, J.V. (1997) *The Clinical Practice Of Neurological and Neurosurgical Nursing Fourth Edition*. New York: Lippincott.
- Hope, R et al (1993) *Oxford Handbook of Clinical Medicine (3rd edition)*. Oxford: Oxford University Press
- Johnson, L (1999) Factors known to raise intracranial pressure and the associated implications for nursing management. *Nursing in Critical Care* 4 (3), p117-120
- Kumar, P and Clark, M (1994) *Clinical Medicine*. London: Balliere-Tindall
- Menon, D.K. (1997) Monitoring the central nervous system. *Current Anaesthesia and Critical Care*. 8, 6, 254-263.
- Nolte, J. (2002). The Human Brain. An introduction to its functional anatomy, Fifth Edition. St Louis: Mosby.
- Nolte, J. & Angevine, J.B. (2008). The Human Brain. In photographs and diagrams, Sixth Edition. St Louis: Mosby.
- ONLINE TEXTBOOK <http://neuroscience.uth.tmc.edu/>
- On-line Biology Book <http://ened.emc.maricopa.edu/bio/bio181/BIOBK/BioBookTOC.html>
- Rutishauser S (1994) *Physiology and Anatomy: A Basis for Nursing and Nursing and Health Care*. Edinburgh: Churchill Livingstone
- St.Goerge-Hyslop, P H (2000) Piecing together Alzheimer's. *Scientific American* 283 (6), 52-59
- Subhash C. Bhatnagar (2012). Neuroscience for the study of Communicative Disorders, 4th Edition. Philadelphia: Wolters Kluwer/Lippincott Williams & Wilkins.
- Treadwell, L et al (1994) Audit of head injury management in the northern region. *British Journal of Nursing*. 3, 3, 136-140.
- Veld, B et al (2001) Nonsteroidal anti-inflammatory drugs and the risk of Alzheimer's disease. *New England Journal of Medicine* 345 (21) p1515-1521
- Woodrow, P (2000) Head injuries: acute care. *Nursing Standard* 14, 35, 37-44.

GRADUATE COLLEGE  
SEP 22 2017

**Ali Asghar Danesh**

---

**From:** Paul Peluso  
**Sent:** Tuesday, September 19, 2017 3:25 PM  
**To:** Deena Wener; Barbara Ridener; Michael Brady; Dilys Schoorman; Robert Shockley; Michael Whitehurst  
**Cc:** Ali Asghar Danesh  
**Subject:** Re: Item for curriculum review

No conflict with Counselor Ed.

---

**From:** Deena Wener  
**Sent:** Tuesday, September 19, 2017 1:35:14 PM  
**To:** Barbara Ridener; Michael Brady; Paul Peluso; Dilys Schoorman; Robert Shockley; Michael Whitehurst; Deena Wener  
**Cc:** Ali Asghar Danesh  
**Subject:** FW: Item for curriculum review

Dear Chairs,

Attached please find a course for your review. The course is a revision of content for our existing course, SPA 4104 - Neural Bases of Speech, Language, and Hearing 3 credits.

The course revisions are being proposed by Dr. Ali Danesh who is the sole instructor for the course. Please let me know if this course is in conflict with any of the courses in your program.

Here is the information regarding to the new course proposal:

**SPA 5107**

**Neural Bases of Human Communication**

**Catalog Description:** Study of the neuroanatomy and neurophysiology underlying normal speech, language, and hearing. Study of central and peripheral nervous systems related to human communication. Consideration of embryologic development.

**Text:** mathew h rouse, neuroanatomy for speech language pathology and audiology (first edition), 2015, jones and bartlett learning, burlington, ma

Thank you, in advance for your time.

With best regards,  
Deena

Deena Louise Wener, Ph.D., CCC-SLP  
Associate Professor & Chair  
Department of Communication Sciences and Disorders  
College of Education  
Florida Atlantic University  
777 Glades Road  
Boca Raton, FL 33431-0991

561-297-2259  
wener@fau.edu

GRADUATE COLLEGE

SEP 22 2017

## Ali Asghar Danesh

---

**From:** Michael Whitehurst  
**Sent:** Wednesday, September 20, 2017 8:26 AM  
**To:** Paul Peluso; Deena Wener; Barbara Ridener; Michael Brady; Dilys Schoorman; Robert Shockley  
**Cc:** Ali Asghar Danesh  
**Subject:** Re: Item for curriculum review

Sorry for the late response.  
ESHP has no conflict with SPA 4104.  
Mike

---

**From:** Paul Peluso  
**Sent:** Tuesday, September 19, 2017 3:25 PM  
**To:** Deena Wener; Barbara Ridener; Michael Brady; Dilys Schoorman; Robert Shockley; Michael Whitehurst  
**Cc:** Ali Asghar Danesh  
**Subject:** Re: Item for curriculum review

No conflict with Counselor Ed.

---

**From:** Deena Wener  
**Sent:** Tuesday, September 19, 2017 1:35:14 PM  
**To:** Barbara Ridener; Michael Brady; Paul Peluso; Dilys Schoorman; Robert Shockley; Michael Whitehurst; Deena Wener  
**Cc:** Ali Asghar Danesh  
**Subject:** FW: Item for curriculum review

Dear Chairs,

Attached please find a course for your review. The course is a revision of content for our existing course, SPA 4104 - Neural Bases of Speech, Language, and Hearing 3 credits.

The course revisions are being proposed by Dr. Ali Danesh who is the sole instructor for the course. Please let me know if this course is in conflict with any of the courses in your program.

Here is the information regarding to the new course proposal:

### **SPA 5107**

#### **Neural Bases of Human Communication**

**Catalog Description:** Study of the neuroanatomy and neurophysiology underlying normal speech, language, and hearing. Study of central and peripheral nervous systems related to human communication. Consideration of embryologic development.

**Text:** mathew h rouse, neuroanatomy for speech language pathology and audiology (first edition), 2015, jones and bartlett learning, burlington, ma

Thank you, in advance for your time.

With best regards,

GRADUATE COLLEGE

SEP 22 2017

## Ali Asghar Danesh

---

**From:** Robert Shockley  
**Sent:** Wednesday, September 20, 2017 10:10 AM  
**To:** Michael Whitehurst; Paul Peluso; Deena Wener; Barbara Ridener; Michael Brady; Dilys Schoorman  
**Cc:** Ali Asghar Danesh  
**Subject:** RE: Item for curriculum review

No conflict with EDLRM. RS

**From:** Michael Whitehurst  
**Sent:** Wednesday, September 20, 2017 8:26 AM  
**To:** Paul Peluso <ppeluso@fau.edu>; Deena Wener <wener@fau.edu>; Barbara Ridener <BRIDENER@fau.edu>; Michael Brady <mbrady@fau.edu>; Dilys Schoorman <dschoorm@fau.edu>; Robert Shockley <SHOCKLEY@fau.edu>  
**Cc:** Ali Asghar Danesh <Danesh@fau.edu>  
**Subject:** Re: Item for curriculum review

Sorry for the late response.  
ESHPP has no conflict with SPA 4104.  
Mike

---

**From:** Paul Peluso  
**Sent:** Tuesday, September 19, 2017 3:25 PM  
**To:** Deena Wener; Barbara Ridener; Michael Brady; Dilys Schoorman; Robert Shockley; Michael Whitehurst  
**Cc:** Ali Asghar Danesh  
**Subject:** Re: Item for curriculum review

No conflict with Counselor Ed.

---

**From:** Deena Wener  
**Sent:** Tuesday, September 19, 2017 1:35:14 PM  
**To:** Barbara Ridener; Michael Brady; Paul Peluso; Dilys Schoorman; Robert Shockley; Michael Whitehurst; Deena Wener  
**Cc:** Ali Asghar Danesh  
**Subject:** FW: Item for curriculum review

Dear Chairs,

Attached please find a course for your review. The course is a revision of content for our existing course, SPA 4104 - Neural Bases of Speech, Language, and Hearing 3 credits.

The course revisions are being proposed by Dr. Ali Danesh who is the sole instructor for the course. Please let me know if this course is in conflict with any of the courses in your program.

Here is the information regarding to the new course proposal:

SPA 5107

GRADUATE COURSE  
SEP 22 2017



**Neural Bases of Human Communication**

**Catalog Description:** Study of the neuroanatomy and neurophysiology underlying normal speech, language, and hearing. Study of central and peripheral nervous systems related to human communication. Consideration of embryologic development.

**Text:** mathew h rouse, neuroanatomy for speech language pathology and audiology (first edition), 2015, jones and bartlett learning, burlington, ma

Thank you, in advance for your time.

With best regards,  
Deena

Deena Louise Wener, Ph.D., CCC-SLP  
Associate Professor & Chair  
Department of Communication Sciences and Disorders  
College of Education  
Florida Atlantic University  
777 Glades Road  
Boca Raton, FL 33431-0991

561-297-2259  
[wener@fau.edu](mailto:wener@fau.edu)

GRADUATE COLLEGE

SEP 22 2017

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.

---

GRADUATE COLLEGE  
SEP 22 2017

## Ali Asghar Danesh

---

**From:** Rainald Schmidt-Kastner  
**Sent:** Wednesday, September 20, 2017 11:45 AM  
**To:** Ali Asghar Danesh  
**Subject:** RE: Item for curriculum review

Hi Ali,

Since the classes of the Neuroscience and Behavior (NSB) course are specific for the medical students, there is no need to consider any overlap.

There is no overlap with the anatomy-courses (named Integrated Morphology) for the biomedical master program, as we do not include neuroanatomy.

I cannot speak for all classes at the graduate level here at COM, so you would have to contact the administrator, Bridget Statler [BSTATLER@health.fau.edu](mailto:BSTATLER@health.fau.edu)

Best regards,

Rainald

**From:** Ali Asghar Danesh  
**Sent:** Wednesday, September 20, 2017 11:03 AM  
**To:** Rainald Schmidt-Kastner <[schmidtk@health.fau.edu](mailto:schmidtk@health.fau.edu)>  
**Subject:** FW: Item for curriculum review

Good Morning Rainald,

If it is possible please respond to this email about the new course at your earliest convenience.

Best,

Ali

**From:** Ali Asghar Danesh  
**Sent:** Tuesday, September 19, 2017 8:36 PM  
**To:** Robert Stackman <[rstackma@fau.edu](mailto:rstackma@fau.edu)>; Rainald Schmidt-Kastner <[schmidtk@health.fau.edu](mailto:schmidtk@health.fau.edu)>  
**Subject:** Item for curriculum review

GRADUATE COLLEGE

SEP 22 2017

Dear Robert and Rainald,

I have prepared a new course proposal and my college curriculum committee needs an email indicating no conflict/conflict with the courses that are offered in your colleges. Can you please see the attached file and reply to this email. Please see below.

Best,

Ali

Attached please find a course for your review. The course is a revision of content for our existing course, SPA 4104 - Neural Bases of Speech, Language, and Hearing 3 credits.

The course revisions are being proposed by Dr. Ali Danesh who is the sole instructor for the course. Please let me know if this course is in conflict with any of the courses in your program.

Here is the information regarding to the new course proposal:

**SPA 5107**

**Neural Bases of Human Communication**

**Catalog Description:** Study of the neuroanatomy and neurophysiology underlying normal speech, language, and hearing. Study of central and peripheral nervous systems related to human communication.

Consideration of embryologic development.

**Text:** mathew h rouse, neuroanatomy for speech language pathology and audiology (first edition), 2015, jones and bartlett learning, burlington, ma

Thank you, in advance for your time.

With best regards,  
Deena

Deena Louise Wener, Ph.D., CCC-SLP  
Associate Professor & Chair  
Department of Communication Sciences and Disorders  
College of Education  
Florida Atlantic University  
777 Glades Road  
Boca Raton, FL 33431-0991

561-297-2259  
[wener@fau.edu](mailto:wener@fau.edu)

GRADUATE COLLEGE

SEP 22 2017

---

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.

**Mikaela von Kursell**

---

**Subject:** FW: Item for curriculum review

Begin forwarded message:

**From:** Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)>  
**Date:** October 1, 2017 at 2:33:30 PM EDT  
**To:** Paul Peluso <[ppeluso@fau.edu](mailto:ppeluso@fau.edu)>, Deena Wener <[wener@fau.edu](mailto:wener@fau.edu)>  
**Subject:** FW: Item for curriculum review

FYI.

We have received no conflict from psychology and medicine. I believe we have the approval from the departments in COE too. Thank you for your support.

Best,

Ali

**From:** Robert Stackman  
**Sent:** Friday, September 29, 2017 4:31 PM  
**To:** Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)>  
**Subject:** Re: Item for curriculum review

Hi Ali,

Understood! I think that it would be great to cross list this course into the Psychology schedule, as the content would be well suited to our BS majors in Neuroscience and Behavior.

I have no reservations about the course given your explanation.

Best regards,

Bob

Sent from my iPhone

On Sep 29, 2017, at 2:36 PM, Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)> wrote:

Dear Bob,

Thank you for your response. We have been offering the course SPA 4104 (Neural Bases of Speech, Language and Hearing) for more than 25 years (I have been teaching it for the past 18 years). It is considered as a prerequisite to our graduate program and also for communication sciences and disorders graduate programs across the country. A course specifically in neuroanatomy and neurophysiology of human communication is a must and it is required by the academic accreditation agencies in our field. Such a

course prepares students enter the field of Communication Sciences and Disorders (i.e., speech language pathology and audiology) by providing a significant amount of knowledge about the “neural bases” of speech, language and hearing “all in one course”. Since we do not have an undergraduate degree (only graduate level in our department) we are revamping some of our prerequisite undergraduate courses and advancing them into graduate levels to prepare our students at a higher level for the graduate program. The new proposed course is SPA 5107 which is the advanced version of SPA 4104.

Please note that the proposed course is not an in-depth exploration of “all” neurological systems.

Rather a general course that addresses the neurological aspects underlying the disorders of speech, language and hearing. This course provides the neurological underpinnings for the following courses that we offer in our program:

1. **Adult Language Disorders** – covers etiology, assessment and treatment of aphasia, dementia, right hemisphere brain injury, and traumatic brain injury.
2. **Motor Speech Disorders** – covers etiology, diagnosis, and assessment of apraxia, dysarthria all types (flaccid, spastic, hypokinetic, hyperkinetic, ataxic, and mixed)
3. **Child Language Disorders** – covers the etiology diagnosis, and assessment of child language disorders from birth – adolescence.
4. **Articulation and Phonological disorders** – covers the etiology, diagnosis, and assessment of all speech sound disorders.
5. **Dysphagia** – covers the etiology, diagnosis, and treatment of swallowing disorders and feeding
6. **Voice and Velopharyngeal Disorders** – covers the etiology, diagnosis, and assessment of functional and structural disorders of the voice, cleft palate, hyper/hyponasality, pitch, loudness, and vocal quality.
7. **Fluency Disorders** - covers the etiology, diagnosis, and assessment of all disorders of fluency e.g. stuttering, cluttering.
8. **Aural Habilitation/Rehabilitation** – covers the etiology, diagnosis, and assessment of hearing disorders across the life span.

I understand that there will be always some sort of “shared” areas between different disciplines; however, none of the courses that you have mentioned in your response can be used as the “proper” required prerequisite for our graduate program and students must take a course specifically designed for our field because it is required in our admission process. As a matter of fact, even undergraduate psychology students who apply to our program also are required to take neural bases of communication before starting the graduate program in our department.

Please let me know if you need further information.

Best,

Ali

**From:** Robert Stackman

**Sent:** Thursday, September 28, 2017 2:26 PM

**To:** Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)>; Rainald Schmidt-Kastner

[<schmidtk@health.fau.edu>](mailto:schmidtk@health.fau.edu)

**Subject: Re: Item for curriculum review**

Dear Ali,

The new course proposed would have significant overlapping content with three advanced courses in our undergraduate curriculum:

**Auditory Perception (EXP 4120) 3 credits**

This advanced course provides a thorough introduction to the normal processes of auditory perception and attention. Covered topics include the physics of sound, peripheral auditory anatomy and physiology, auditory psychophysics, and anatomy and physiology of the central auditory pathway.

**Biopsychology of Language (PSB 4833) 3 credits**

**Prerequisite: PSY 1012**

An introduction to the biological foundations of normal human language and speech. Topics include the evolutionary specialization for language, theories of speech perception and production, the acoustic signal, and relevant physiology.

**Biological Bases of Behavior 2 (PSB 4006) 3 credits**

**Prerequisite: PSB 3002**

A survey of the biological bases of specific species-typical behaviors such as sleep, language and memory, ingestive behaviors, reproductive behavior, emotion and stress, and human communication.

As well as some overlap in terms of content with our course PSB 3002 which is required of all BA in Psychology and BS in Neuroscience & Behavior majors.

**Biological Bases of Behavior (PSB 3002) 3 credits**

**Prerequisite: PSY 1012**

A study of the structures and functions of the neural and endocrine systems as they relate to behavior.

Regards,

Bob

--

Robert W. Stackman Jr., Ph.D.  
Florida Atlantic University  
Interim Chair and Professor  
Department of Psychology  
BS, 101B  
777 Glades Road  
Boca Raton, FL 33431-0991

email: [rstackma@fau.edu](mailto:rstackma@fau.edu)  
office – boca: BS 101B

phone – boca: 561.297.2270

office – jupiter: MC-19(RE) 110  
phone – jupiter: 561.799.8052

---

**From:** Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)>  
**Date:** Tuesday, September 19, 2017 at 7:36 PM  
**To:** Robert Stackman <[rstackma@fau.edu](mailto:rstackma@fau.edu)>, Rainald Schmidt-Kastner <[schmidtk@health.fau.edu](mailto:schmidtk@health.fau.edu)>  
**Subject:** Item for curriculum review

Dear Robert and Rainald,

I have prepared a new course proposal and my college curriculum committee needs an email indicating no conflict/conflict with the courses that are offered in your colleges. Can you please see the attached file and reply to this email. Please see below.

Best,

Ali

**Attached please find a course for your review. The course is a revision of content for our existing course, SPA 4104 - Neural Bases of Speech, Language, and Hearing 3 credits.**

**The course revisions are being proposed by Dr. Ali Danesh who is the sole instructor for the course. Please let me know if this course is in conflict with any of the courses in your program.**

**Here is the information regarding to the new course proposal:**

**SPA 5107  
Neural Bases of Human Communication  
Catalog Description: Study of the neuroanatomy and neurophysiology underlying normal speech, language, and hearing. Study of central and peripheral nervous systems related to human communication. Consideration of embryologic development.**



**Text: mathew h rouse, neuroanatomy for  
speech language pathology and audiology (first  
edition), 2015, jones and bartlett learning,  
burlington, ma**

**Thank you, in advance for your time.**

**With best regards,  
Deena**

**Deena Louise Wener, Ph.D., CCC-SLP  
Associate Professor & Chair  
Department of Communication Sciences and  
Disorders  
College of Education  
Florida Atlantic University  
777 Glades Road  
Boca Raton, FL 33431-0991**

**561-297-2259  
wener@fau.edu**

## Mikaela von Kursell

---

**Subject:** FW: Item for curriculum review

Begin forwarded message:

**From:** Robert Stackman <[rstackma@fau.edu](mailto:rstackma@fau.edu)>  
**Date:** October 5, 2017 at 5:17:04 PM EDT  
**To:** Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)>  
**Subject:** Re: Item for curriculum review

Dear Ali,

I have no concerns about the course you have asked me to review on behalf of the Department of Psychology.

Best regards,

Bob

Sent from my iPhone

On Sep 29, 2017, at 5:00 PM, Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)> wrote:

Thank you very much for your support Bob.

Best  
Ali

Sent from my iPhone

On Sep 29, 2017, at 4:30 PM, Robert Stackman <[rstackma@fau.edu](mailto:rstackma@fau.edu)> wrote:

Hi Ali,

Understood! I think that it would be great to cross list this course into the Psychology schedule, as the content would be well suited to our BS majors in Neuroscience and Behavior.

I have no reservations about the course given your explanation.

Best regards,

Bob

Sent from my iPhone

On Sep 29, 2017, at 2:36 PM, Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)> wrote:

Dear Bob,

Thank you for your response. We have been offering the course SPA 4104 (Neural Bases of Speech, Language and Hearing) for more than 25 years (I have been teaching it for the past 18 years). It is considered as a prerequisite to our graduate program and also for communication sciences and disorders graduate programs across the country. A course specifically in neuroanatomy and neurophysiology of human communication is a must and it is required by the academic accreditation agencies in our field. Such a course prepares students enter the field of Communication Sciences and Disorders (i.e., speech language pathology and audiology) by providing a significant amount of knowledge about the “neural bases” of speech, language and hearing “all in one course”. Since we do not have an undergraduate degree (only graduate level in our department) we are revamping some of our prerequisite undergraduate courses and advancing them into graduate levels to prepare our students at a higher level for the graduate program. The new proposed course is SPA 5107 which is the advanced version of SPA 4104.

Please note that the proposed course is not an in-depth exploration of “all” neurological systems. Rather a general course that addresses the neurological aspects underlying the disorders of speech, language and hearing. This course provides the neurological underpinnings for the following courses that we offer in our program:

1. **Adult Language Disorders** – covers etiology, assessment and treatment of aphasia, dementia, right hemisphere brain injury, and traumatic brain injury.
2. **Motor Speech Disorders** – covers etiology, diagnosis, and assessment of apraxia, dysarthria all types (flaccid, spastic, hypokinetic, hyperkinetic, ataxic, and mixed)
3. **Child Language Disorders** – covers the etiology diagnosis, and assessment of child language disorders from birth – adolescence.
4. **Articulation and Phonological disorders** – covers the etiology, diagnosis, and assessment of all speech sound disorders.
5. **Dysphagia** – covers the etiology, diagnosis, and treatment of swallowing disorders and feeding
6. **Voice and Velopharyngeal Disorders** – covers the etiology, diagnosis, and assessment of

functional and structural disorders of the voice, cleft palate, hyper/hyponasality, pitch, loudness, and vocal quality.

7. Fluency Disorders - covers the etiology, diagnosis, and assessment of all disorders of fluency e.g. stuttering, cluttering.
8. Aural Habilitation/Rehabilitation – covers the etiology, diagnosis, and assessment of hearing disorders across the life span.

I understand that there will be always some sort of “shared” areas between different disciplines; however, none of the courses that you have mentioned in your response can be used as the “proper” required prerequisite for our graduate program and students must take a course specifically designed for our field because it is required in our admission process. As a matter of fact, even undergraduate psychology students who apply to our program also are required to take neural bases of communication before starting the graduate program in our department.

Please let me know if you need further information.

Best,

Ali

**From:** Robert Stackman  
**Sent:** Thursday, September 28, 2017 2:26 PM  
**To:** Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)>; Rainald Schmidt-Kastner <[schmidtk@health.fau.edu](mailto:schmidtk@health.fau.edu)>  
**Subject:** Re: Item for curriculum review

Dear Ali,

The new course proposed would have significant overlapping content with three advanced courses in our undergraduate curriculum:

**Auditory Perception (EXP 4120) 3 credits**  
This advanced course provides a thorough introduction to the normal processes of auditory perception and attention. Covered topics include the physics of sound, peripheral auditory anatomy and physiology, auditory psychophysics, and anatomy and physiology of the central auditory pathway.

**Biopsychology of Language (PSB 4833) 3 credits**  
**Prerequisite:** PSY 1012  
An introduction to the biological foundations of normal

human language and speech. Topics include the evolutionary specialization for language, theories of speech perception and production, the acoustic signal, and relevant physiology.

**Biological Bases of Behavior 2 (PSB 4006) 3 credits**

**Prerequisite: PSB 3002**

A survey of the biological bases of specific species-typical behaviors such as sleep, language and memory, ingestive behaviors, reproductive behavior, emotion and stress, and human communication.

As well as some overlap in terms of content with our course PSB 3002 which is required of all BA in Psychology and BS in Neuroscience & Behavior majors.

**Biological Bases of Behavior (PSB 3002) 3 credits**

**Prerequisite: PSY 1012**

A study of the structures and functions of the neural and endocrine systems as they relate to behavior.

Regards,

Bob

--

Robert W. Stackman Jr., Ph.D.  
Florida Atlantic University  
Interim Chair and Professor  
Department of Psychology  
BS, 101B  
777 Glades Road  
Boca Raton, FL 33431-0991

email: [rstackma@fau.edu](mailto:rstackma@fau.edu)

office – boca: BS 101B

phone – boca: 561.297.2270

office – jupiter: MC-19(RE) 110

phone – jupiter: 561.799.8052

---

**From:** Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)>  
**Date:** Tuesday, September 19, 2017 at 7:36 PM  
**To:** Robert Stackman <[rstackma@fau.edu](mailto:rstackma@fau.edu)>, Rainald Schmidt-Kastner <[schmidtk@health.fau.edu](mailto:schmidtk@health.fau.edu)>  
**Subject:** Item for curriculum review

Dear Robert and Rainald,

I have prepared a new course proposal and my college curriculum committee needs an email indicating no conflict/conflict with the courses that are offered in your colleges. Can you please see the attached file and reply to this email. Please see below.

Best,

Ali

**Attached please find a course for your review. The course is a revision of content for our existing course, SPA 4104 - Neural Bases of Speech, Language, and Hearing 3 credits.**

**The course revisions are being proposed by Dr. Ali Danesh who is the sole instructor for the course. Please let me know if this course is in conflict with any of the courses in your program.**

**Here is the information regarding to the new course proposal:**

**SPA 5107  
Neural Bases of  
Human  
Communication  
Catalog Description:  
Study of the  
neuroanatomy and  
neurophysiology**

**underlying normal  
speech, language,  
and hearing. Study  
of central and  
peripheral nervous  
systems related to  
human  
communication.  
Consideration of  
embryologic  
development.  
Text: mathew h  
rouse,  
neuroanatomy for  
speech language  
pathology and  
audiology (first  
edition), 2015, Jones  
and bartlett  
learning, burlington,  
ma**

**Thank you, in  
advance for your  
time.**

**With best regards,  
Deena**

**Deena Louise  
Wener, Ph.D., CCC-  
SLP  
Associate Professor  
& Chair  
Department of  
Communication  
Sciences and  
Disorders  
College of  
Education  
Florida Atlantic  
University  
777 Glades Road  
Boca Raton, FL  
33431-0991**

**561-297-2259  
[wener@fau.edu](mailto:wener@fau.edu)**

---

**From:** Rainald Schmidt-Kastner  
**Sent:** Wednesday, September 20, 2017 11:45 AM  
**To:** Ali Asghar Danesh  
**Subject:** RE: Item for curriculum review

Hi Ali,

Since the classes of the Neuroscience and Behavior (NSB) course are specific for the medical students, there is no need to consider any overlap.



There is no overlap with the anatomy-courses (named Integrated Morphology) for the biomedical master program, as we do not include neuroanatomy.

I cannot speak for all classes at the graduate level here at COM, so you would have to contact the administrator, Bridget Statler [BSTATLER@health.fau.edu](mailto:BSTATLER@health.fau.edu)

Best regards,

Rainald

---

**From:** Ali Asghar Danesh  
**Sent:** Wednesday, September 20, 2017 11:03 AM  
**To:** Rainald Schmidt-Kastner <[schmidtk@health.fau.edu](mailto:schmidtk@health.fau.edu)>  
**Subject:** FW: Item for curriculum review

Good Morning Rainald,

If it is possible please respond to this email about the new course at your earliest convenience.

Best,

Ali

---

**From:** Ali Asghar Danesh  
**Sent:** Tuesday, September 19, 2017 8:36 PM  
**To:** Robert Stackman <[rstackma@fau.edu](mailto:rstackma@fau.edu)>; Rainald Schmidt-Kastner <[schmidtk@health.fau.edu](mailto:schmidtk@health.fau.edu)>  
**Subject:** Item for curriculum review

Dear Robert and Rainald,

I have prepared a new course proposal and my college curriculum committee needs an email indicating no conflict/conflict with the courses that are offered in your colleges. Can you please see the attached file and reply to this email. Please see below.



**Ali Asghar Danesh**

---

SPA 5107

**From:** Robert Stackman  
**Sent:** Thursday, October 05, 2017 5:17 PM  
**To:** Ali Asghar Danesh  
**Subject:** Re: Item for curriculum review

Dear Ali,

I have no concerns about the course you have asked me to review on behalf of the Department of Psychology.

Best regards,

Bob

Sent from my iPhone

On Sep 29, 2017, at 5:00 PM, Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)> wrote:

Thank you very much for your support Bob.

Best  
Ali

Sent from my iPhone

On Sep 29, 2017, at 4:30 PM, Robert Stackman <[rstackma@fau.edu](mailto:rstackma@fau.edu)> wrote:

Hi Ali,

Understood! I think that it would be great to cross list this course into the Psychology schedule, as the content would be well suited to our BS majors in Neuroscience and Behavior.

I have no reservations about the course given your explanation.

Best regards,

Bob

Sent from my iPhone

On Sep 29, 2017, at 2:36 PM, Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)> wrote:

Dear Bob,

Thank you for your response. We have been offering the course SPA 4104 (Neural Bases of Speech, Language and Hearing) for more than 25 years (I have been teaching it for the past 18 years). It is considered as a prerequisite to our graduate program and also for communication

sciences and disorders graduate programs across the country. A course specifically in neuroanatomy and neurophysiology of human communication is a must and it is required by the academic accreditation agencies in our field. Such a course prepares students enter the field of Communication Sciences and Disorders (i.e., speech language pathology and audiology) by providing a significant amount of knowledge about the “neural bases” of speech, language and hearing “all in one course”. Since we do not have an undergraduate degree (only graduate level in our department) we are revamping some of our prerequisite undergraduate courses and advancing them into graduate levels to prepare our students at a higher level for the graduate program. The new proposed course is SPA 5107 which is the advanced version of SPA 4104.

Please note that the proposed course is not an in-depth exploration of “all” neurological systems.

Rather a general course that addresses the neurological aspects underlying the disorders of speech, language and hearing. This course provides the neurological underpinnings for the following courses that we offer in our program:

1. Adult Language Disorders – covers etiology, assessment and treatment of aphasia, dementia, right hemisphere brain injury, and traumatic brain injury.
2. Motor Speech Disorders – covers etiology, diagnosis, and assessment of apraxia, dysarthria all types (flaccid, spastic, hypokinetic, hyperkinetic, ataxic, and mixed)
3. Child Language Disorders – covers the etiology diagnosis, and assessment of child language disorders from birth – adolescence.
4. Articulation and Phonological disorders – covers the etiology, diagnosis, and assessment of all speech sound disorders.
5. Dysphagia – covers the etiology, diagnosis, and treatment of swallowing disorders and feeding
6. Voice and Velopharyngeal Disorders – covers the etiology, diagnosis, and assessment of functional and structural disorders of the voice, cleft palate, hyper/hyponasality, pitch, loudness, and vocal quality.
7. Fluency Disorders - covers the etiology, diagnosis, and assessment of all disorders of fluency e.g. stuttering, cluttering.
8. Aural Habilitation/Rehabilitation – covers the etiology, diagnosis, and assessment of hearing disorders across the life span.

I understand that there will be always some sort of “shared” areas between different disciplines; however, none of the courses that you have mentioned in your response can be used as the “proper” required prerequisite for our graduate program and students must take a course specifically designed for our field because it is required in our admission process. As a matter of fact, even undergraduate psychology students who apply to our program also are required to take neural bases of

communication before starting the graduate program in our department.

Please let me know if you need further information.

Best,

Ali

---

**From:** Robert Stackman  
**Sent:** Thursday, September 28, 2017 2:26 PM  
**To:** Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)>; Rainald Schmidt-Kastner <[schmidtk@health.fau.edu](mailto:schmidtk@health.fau.edu)>  
**Subject:** Re: Item for curriculum review

Dear Ali,

The new course proposed would have significant overlapping content with three advanced courses in our undergraduate curriculum:

**Auditory Perception (EXP 4120) 3 credits**

This advanced course provides a thorough introduction to the normal processes of auditory perception and attention. Covered topics include the physics of sound, peripheral auditory anatomy and physiology, auditory psychophysics, and anatomy and physiology of the central auditory pathway.

**Biopsychology of Language (PSB 4833) 3 credits**

**Prerequisite:** PSY 1012

An introduction to the biological foundations of normal human language and speech. Topics include the evolutionary specialization for language, theories of speech perception and production, the acoustic signal, and relevant physiology.

**Biological Bases of Behavior 2 (PSB 4006) 3 credits**

**Prerequisite:** PSB 3002

A survey of the biological bases of specific species-typical behaviors such as sleep, language and memory, ingestive behaviors, reproductive behavior, emotion and stress, and human communication.

As well as some overlap in terms of content with our course PSB 3002 which is required of all BA in Psychology and BS in Neuroscience & Behavior majors.

**Biological Bases of Behavior (PSB 3002) 3 credits**

**Prerequisite:** PSY 1012

A study of the structures and functions of the neural and endocrine systems as they relate to behavior.

Regards,

Bob

--

Robert W. Stackman Jr., Ph.D.  
Florida Atlantic University  
Interim Chair and Professor  
Department of Psychology  
BS, 101B  
777 Glades Road  
Boca Raton, FL 33431-0991

email: [rstackma@fau.edu](mailto:rstackma@fau.edu)  
office – boca: BS 101B  
phone – boca: 561.297.2270

office – jupiter: MC-19(RE) 110  
phone – jupiter: 561.799.8052

---

**From:** Ali Asghar Danesh <[Danesh@fau.edu](mailto:Danesh@fau.edu)>  
**Date:** Tuesday, September 19, 2017 at 7:36 PM  
**To:** Robert Stackman <[rstackma@fau.edu](mailto:rstackma@fau.edu)>, Rainald Schmidt-Kastner <[schmidtk@health.fau.edu](mailto:schmidtk@health.fau.edu)>  
**Subject:** Item for curriculum review

Dear Robert and Rainald,

I have prepared a new course proposal and my college curriculum committee needs an email indicating no conflict/conflict with the courses that are offered in your colleges. Can you please see the attached file and reply to this email. Please see below.

Best,

Ali

**Attached please find a course for your review. The course is a revision of content for our existing course,**

**SPA 4104 - Neural Bases of  
Speech, Language, and Hearing 3  
credits.**

**The course revisions are being  
proposed by Dr. Ali Danesh who is  
the sole instructor for the course.  
Please let me  
know if this course is in conflict  
with any of the courses in your  
program.**

**Here is the information regarding  
to the new course proposal:**

**SPA 5107  
Neural Bases of Human  
Communication  
Catalog Description: Study of the  
neuroanatomy and  
neurophysiology underlying  
normal speech, language, and  
hearing. Study of central and  
peripheral nervous systems  
related to human communication.  
Consideration of embryologic  
development.  
Text: mathew h rouse,  
neuroanatomy for speech  
language pathology and  
audiology (first edition), 2015,  
jones and bartlett learning,  
burlington, ma**

**Thank you, in advance for your  
time.**

**With best regards,  
Deena**

**Deena Louise Wener, Ph.D., CCC-  
SLP  
Associate Professor & Chair  
Department of Communication  
Sciences and Disorders  
College of Education  
Florida Atlantic University  
777 Glades Road  
Boca Raton, FL 33431-0991**

**561-297-2259  
[wener@fau.edu](mailto:wener@fau.edu)**