

MEMORANDUM

TO: Ken Struckmeyer, Executive Secretary
Faculty Senate

FROM: Becky Bitter, Registrar's Office

FOR: Academic Affairs Committee

DATE: 2 March 2012

SUBJECT: Proposal to Extend the Bachelor of Science in Neuroscience to
Vancouver

At its meeting on February 29, 2012, AAC reviewed and approved the attached proposal to extend the Bachelor of Science in Neuroscience to WSU Vancouver.

AAC discussed the proposal with Steve Simasko, Director of the Neuroscience Program, and Mike Morgan, Professor of Psychology, from the Vancouver Campus. The proposal is supported by the College of Veterinary Medicine and the Provost's Office. The Dean of the College of Sciences has reviewed the proposal.

At this time, Faculty Senate review and approval is recommended, to be effective fall 2012.



Proposal to: Extend an Existing Degree Program to a New Site

[Extending an existing degree to a new *location* requires a more extensive analysis than extending one via DDP because a site-based program usually requires locally-located faculty, classrooms, offices, labs, and/or other services; and an adequate student population must exist locally. It is less likely than a distance program to be directly served by resources of the department and campus where the program is already offered, or to attract students statewide.]

Program Title:

Degree (level) Bachelor of (type) Science
(e.g., Bachelor) (e.g., Science)
In (major or field) Neuroscience
(e.g., Chemistry)

Site(s) at which currently offered: Pullman

CIP Code (consult registrar): 30.2401
(Classification of Instructional Programs)

Department(s): Psychology College(s): CLA

Contact Person:

Name: Michael M. Morgan Title: Professor of Psychology
Phone: 360-546-9726 e-mail: mmmorgan@vancouver.wsu.edu

Site of Origin (campus where this program will be delivered on-site or primary campus from which distance courses will be delivered): Vancouver

Starting Date: Fall 2012

Method of course delivery: (check all that apply)

- Classroom
 - Pullman
 - Vancouver
 - Tri-Cities
 - Spokane
 - Other site(s): _____
- WHETS or Video-conferencing System
- On-line
- Videotape
- Flexible Enrollment
- Other _____

Appendix A
Student Enrollment in Neuroscience (Pullman) and Science (Vancouver)

WSU Pullman
Neuroscience Undergraduate Statistics
Spring 2012

Neuroscience Advisees:	120
Certified majors:	46
May 2012 graduates (expected):	22
Demographics:	
Male	48
Female	72
African American	2
Asian or Pacific Islander	8
Caucasian	86
Hispanic	10
Native American	1
Other	7
Unreported	6

2009 exit survey: 60% going to graduate/professional school

WSU Vancouver
Science Undergraduate Statistics

	Spring:	2010	2011	2012
Total Vancouver Head Count		2938	3080	
Total science advisees		341	307	306
Biology		186	202	188
AP 752		98	68	80
Environmental science		42	25	28
AP 754		15	12	10
Students expressing a pre-health interest:		227	216	214

Appendix B
List of Hospitals and Research Organization in the Portland/Vancouver Area

Vancouver Hospitals

1. Peace Health Southwest Washington Medical Center
Six treatment locations
2. Legacy Salmon Creek Hospital
3. Portland VA Medical Center

Portland Hospitals

1. Adventist Medical Center
2. Doernbecher Children's Hospital
3. Legacy Emanuel Medical Center
4. Legacy Emanuel Children's Hospital
5. Legacy Good Samaritan Hospital & Medical Center
6. Oregon Health & Science University Hospital
7. Oregon State Hospital - Portland
8. Portland Shriners Hospital
9. Providence Portland Medical Center
10. Veterans Affairs Portland Medical Center

Portland/Vancouver Research Institutions

1. Legacy Research Institute
2. Oregon Health & Science University
3. Veteran Affairs Portland Medical Center
4. Vollum Institute
5. Washington State University Vancouver

Appendix C

WSU Vancouver Faculty with Neuroscience-Related Research Interests

Art Blume, Professor, Department of Psychology.

Research interests include: addictive behaviors has focused upon applied and clinically relevant research among populations at high risk for developing substance abuse such as people with other psychiatric and cognitive problems in addition to substance abuse, military personnel, incarcerated populations, young adults, and traditionally underserved ethnic minority populations.

Allison Coffin, Assistant Professor, VCAPP.

Research interests include: The use of zebrafish as a model system to study deafness at the cellular level; Changes in species-specific communication in midshipman fish related to season and reproductive state.

Cynthia Cooper, Assistant Professor, Science Program.

Research interests include: cell biology and genetics of pigment cell development in zebra-fish.

Alex Dimitrov, Assistant Professor, Science Program.

Research interests include: mathematics and modeling of biological systems.

J.P. Garofalo, Associate Professor, Department of Psychology.

Research interests include: Evaluation of neurocognitive and psychological sequelae of cancer therapies, identification of personality antecedents of neurotoxicity, psychological adjustment in medical populations, quality of life in medical populations and symptom burden.

Stephen Lakatos, Associate Professor, Department of Psychology.

Research interests include: auditory and tactile perception, as well as the cross-modal links between vision, touch, and audition.

Michael M. Morgan, Professor, Department of Psychology.

Research interests include: Neural mechanisms of pain modulation and morphine tolerance.

Christine Portfors, Associate Professor, Science Program.

Research interests include: neural mechanisms used by bats and mice to analyze complex sounds.

Tahira Probst, Associate Professor, Department of Psychology.

Research interests include: Job Stress, Work Attitudes, Job Withdrawal (Turnover Intentions), Work Withdrawal (Behaviors to Avoid Performing Work Tasks), and Organizational Commitment.

Elizabeth Soliday, Associate Professor, Department of Psychology.

Research interests include: Adjustment to pediatric & parental chronic illness, including kidney disease and cancer; psychological interventions for illness - related distress.

Neuroscience Advising

Welcome to Washington State University and the Neuroscience Program. Congratulations on becoming a Cougar! We hope you have a wonderful experience here at WSU.

We represent the Neuroscience Undergraduate Advising Office and would like to share some information with you to get you started down the right path.

Neuroscience is the study of the brain and central nervous system. The Neuroscience major at WSU is an interdisciplinary and interdepartmental biomedical degree program combining many traditional fields of study including biology, psychology, chemistry, physics, anatomy, pharmacology, physiology, engineering, mathematics, and computer science.

The brain is the most complex living structure in the universe; the extent of its capabilities is unknown. This single organ controls all body activities, ranging from heart rate and sexual function to emotion, learning, and memory. The brain is even thought to influence the immune system's response to disease and to determine, in part, how well people respond to medical treatments. Ultimately, it shapes our thoughts, hopes, dreams, and imaginations. In short, the brain is what makes us human.

Students who major in Neuroscience are preparing for professional careers in medicine, veterinary medicine, dentistry, optometry, pharmacy, and psychiatry, or allied health careers (such as nursing, chiropractic, physical therapy, genetic counseling, physician's assistant, or EMT), and careers in biotechnology or research.

You will be assigned an advisor who will assist in the selection of classes and registration and will provide counsel as needed throughout the year. As academic and career advisors, we are here to assist you by connecting you with campus resources, discussing career options, discussing academic problems, providing referral to other resources on campus as appropriate, and overall, how to be successful at WSU. We can also help you with the application process to Professional School or Graduate School (Letters of Recommendation, Professional Goals Statement, etc.). In addition, we co-mentor students with the Pre-Health Science Advising Office offering mock interviews, providing interviewing strengths and weaknesses, and resume tips.

We strongly encourage you to make an appointment with your Advisor after the first week of school to help familiarize him/her with your personal and academic career goals. Your Advisor is a valuable resource, and someone you should take the time to get to know.

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