

From: [Grad School Curriculum Services](#)
To: [Reed, Katie](#); [Evans, Kevin](#)
Cc: [Pruchnicki, Maria](#); [Carpenter, Thomas J.](#); [Anthony, Anika](#)
Subject: ASC New 3A Certificate in Health Psychology/Behavioral Medicine
Date: Monday, July 12, 2021 10:30:27 AM
Attachments: [ASC 3A Certificate Health Psychology Behavioral Medicine.pdf](#)

Dear Kevin and Katie,

Attached are materials for the proposal to establish a new **3A Graduate Certificate in Health Psychology / Behavioral Medicine** in the College of Arts and Sciences.

The purpose of the certificate is to understand the psychological and biobehavioral aspects of stress and aging, as well as to understand psychological, behavioral, and biological factors for preventing and managing causes of disease. The intended audience includes students from a variety of disciplines, such as public health, rehabilitation sciences, and nursing. To date, primary enrollees in courses associated with the proposed certificate have been students in master's and doctoral programs in non-psychology disciplines. The 12-credit hour program consists of a minimum of two required and two elective courses in Psychology. The proposal has been approved by the Department of Psychology and the ASC Curriculum Committee. It has been recommended for approval by the GS/CAA subcommittee and approved by the Graduate Council.

Please let me know if you need any additional information in order to add this proposal to an upcoming CAA meeting agenda.

Sincerely,
Anika

Anika Anthony, Ph.D.

Associate Dean of Academic Affairs
Associate Professor, Department of Educational Studies

The Ohio State University

Graduate School

250E University Hall, 230 North Oval Mall, Columbus, OH 43210

Phone: (614) 247-2083

anthoni.171@osu.edu <https://gradsch.osu.edu/>

TO: Randy Smith, Vice Provost for Academic Programs
FROM: Anika Anthony, Associate Dean of Academic Affairs, Graduate School
DATE: July 12, 2021
RE: Proposal to establish a new *3A Graduate Certificate in Health Psychology / Behavioral Medicine* in the College of Arts and Sciences

The College of Arts and Sciences is proposing to establish a new *3A Graduate Certificate in Health Psychology / Behavioral Medicine*.

The proposal was received by the Graduate School on May 5, 2021. The combined Graduate School and Council on Academic Affairs (GS/CAA) subcommittee first reviewed the proposal on May 12, 2021 and requested revisions. Revisions were received on May 20, 2021. GS/CAA conducted a second review of the proposal and recommended it for approval by the Graduate Council on May 26, 2021. The proposal was approved by the Graduate Council on July 7, 2021.

Fiscal Unit/Academic Org	Psychology - D0766
Administering College/Academic Group	Arts and Sciences
Co-administering College/Academic Group	
Semester Conversion Designation	New Program/Plan
Proposed Program/Plan Name	Health Psychology/Behavioral Medicine
Type of Program/Plan	Graduate certificate program
Program/Plan Code Abbreviation	HP/BM-C
Proposed Degree Title	Certificate in Health Psych/Behavioral Medicine

Credit Hour Explanation

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program				12	
Required credit hours offered by the unit	Minimum			12	
	Maximum				
Required credit hours offered outside of the unit	Minimum			0	
	Maximum				
Required prerequisite credit hours not included above	Minimum			0	
	Maximum				

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

- Program Learning Goals**
- Students will understand the psychological and biobehavioral aspects of stress and its relationship to health and disease processes and the role of social determinants of health.
 - Students will understand the concept of aging, age-related changes in primary organ systems of the body, and the psychological and biobehavioral changes associated with aging.
 - Students will understand the interaction of psychological, behavioral, and biological factors relevant to the prevention and control or progression of a primary cause of disability and death, e.g., cancer, cardiovascular disease.

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? No

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Pre-Major

Does this Program have a Pre-Major? No

Attachments

- Grad certificate in health psychology.letter to Ryan King.pdf: Letter from Offering Unit
(Letter from Program-offering Unit. Owner: Paulsen, Alisa Marie)
- Psychology.Grad.Health.certificate.proposal.2.27.21.docx: Program Proposal
(Program Proposal. Owner: Paulsen, Alisa Marie)
- Psychology.Grad.Health.certificate.proposal.3.31.21.pdf: Revised Program Proposal
(Program Proposal. Owner: Paulsen, Alisa Marie)
- Psychology.Grad.Health.certificate.proposal.4.9.21.docx: Revised Program Proposal
(Program Proposal. Owner: Paulsen, Alisa Marie)
- Psychology certificate support letter.doc: David Horn--ASC letter of support
(Letter from the College to OAA. Owner: Vankeerbergen, Bernadette Chantal)
- Psychology Certificate.SBSletter.docx: SBS Panel letter to ASCC
(Other Supporting Documentation. Owner: Vankeerbergen, Bernadette Chantal)

Comments

- Please adjust advising sheet. Also please remove old version of the proposal. *(by Vankeerbergen, Bernadette Chantal on 04/07/2021 08:19 AM)*
- Revised Proposal attached. *(by Paulsen, Alisa Marie on 04/01/2021 10:02 AM)*
- Sent back per request. *(by Carpenter, Thomas J on 03/15/2021 08:27 AM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Paulsen, Alisa Marie	03/10/2021 04:41 PM	Submitted for Approval
Approved	Paulsen, Alisa Marie	03/10/2021 04:41 PM	Unit Approval
Approved	Vankeerbergen, Bernadette Chantal	03/13/2021 11:56 AM	College Approval
Revision Requested	Carpenter, Thomas J	03/15/2021 08:27 AM	GradSchool Approval
Submitted	Paulsen, Alisa Marie	03/15/2021 10:38 AM	Submitted for Approval
Approved	Paulsen, Alisa Marie	03/15/2021 10:38 AM	Unit Approval
Revision Requested	Vankeerbergen, Bernadette Chantal	03/30/2021 03:50 PM	College Approval
Submitted	Paulsen, Alisa Marie	04/01/2021 10:02 AM	Submitted for Approval
Approved	Paulsen, Alisa Marie	04/01/2021 10:02 AM	Unit Approval
Approved	Vankeerbergen, Bernadette Chantal	04/01/2021 05:43 PM	College Approval
Revision Requested	Carpenter, Thomas J	04/02/2021 08:12 AM	GradSchool Approval
Submitted	Paulsen, Alisa Marie	04/02/2021 08:18 AM	Submitted for Approval
Approved	Paulsen, Alisa Marie	04/02/2021 08:18 AM	Unit Approval
Revision Requested	Vankeerbergen, Bernadette Chantal	04/07/2021 08:19 AM	College Approval
Submitted	Paulsen, Alisa Marie	04/12/2021 02:43 PM	Submitted for Approval
Approved	Paulsen, Alisa Marie	04/12/2021 02:43 PM	Unit Approval
Approved	Vankeerbergen, Bernadette Chantal	05/05/2021 12:31 PM	College Approval
Pending Approval	Carpenter, Thomas J Pearce, Laura Elizabeth	05/05/2021 12:31 PM	GradSchool Approval

Status: PENDING

PROGRAM REQUEST
Health Psychology/Behavioral Medicine

Last Updated: Vankeerbergen, Bernadette
Chantal
05/05/2021



April 28, 2021

Associate Professor Maria Miriti
Chair, Arts and Sciences Curriculum Committee

Dear Maria and Members of the Arts and Sciences Curriculum Committee,

On Thursday, March 18th, the Social and Behavioral Sciences Panel of the ASC Curriculum Committee enthusiastically approved a new graduate certificate in Health Psychology/Behavioral Medicine. The stand-alone certificate (Type 3a) consists of 12 credit hours of graduate courses in Psychology. The certificate will enable students (a) to develop their understanding of the psychological and biobehavioral aspects of stress and aging, and (b) to understand psychological, behavioral and biological factors relevant to the prevention and control of primary causes of disease.

We expect that this certificate will be attractive to graduate students pursuing degrees in a variety of disciplines. Thus, we advance the proposed graduate certificate to the Arts and Sciences Curriculum Committee with a motion to approve.

Regards,

Susan L. Kline

Susan L. Kline, PhD

Associate Professor
School of Communication



21 April 2021

Dear colleagues:

I am pleased to endorse the proposal by the Department of Psychology to create a graduate certificate in Health Psychology/Behavioral Medicine (HP/BM-CR). The stand-alone certificate (Type 3a) will explore relationships among the behavioral, emotional, cognitive, social, and biological components of health and disease. It will create opportunities to develop new expertise for practitioners in a wide variety of fields, from public health to rehabilitation sciences to nursing, and may prepare others for further graduate study.

The proposed certificate is well designed and does not duplicate any other currently offered at Ohio State. It has the full support of the College of Arts and Sciences.

Sincerely,

David Horn
Professor of Comparative Studies
Associate Executive Dean for Undergraduate Education



THE OHIO STATE UNIVERSITY

Charles F. Emery, Ph.D.

Professor and Chair
Department of Psychology
225 Psychology Building
1835 Neil Avenue
Columbus, OH 43210

Phone: 614- 292-3038
E-mail: emery.33@osu.edu

<http://faculty.psy.ohio-state.edu/emerylab/>

March 8, 2021

Dean Ryan King
Divisional Dean, Social & Behavioral Sciences
College of Arts & Sciences
186 University Hall

Re: New Graduate Certificate in Health Psychology/Behavioral Medicine

Dear Dean King:

We are submitting for your consideration the Department of Psychology graduate certificate in Health Psychology/Behavioral Medicine (HP/BM-CR), which is a Type 3a, graduate level, stand alone proposal. Tailored for those with an undergraduate degree (BA/BS), it is intended for those wanting to complete graduate level courses reflecting a Health Psychology/Behavioral Medicine focus. Knowledge of the inter-relationships among behavioral, emotional, cognitive, social, and biological components in health and disease will prepare individuals for career and professional enhancements in health-related careers. This certificate would be directly relevant to individuals with occupations in health services, public health, rehabilitation sciences, nursing or medicine, for example, or those anticipating further graduate study in fields such as medicine, health and rehabilitation sciences, public health, biology, psychology or related disciplines or professions.

This proposal has been approved by the Department of Psychology Graduate Studies Committee. We now seek your endorsement from the College before proceeding with submission to the Graduate School and Council on Academic Affairs. In preparing this document we have endeavored to follow all guidelines and templates provided by the University and College.

Thank you in advance for your review of this proposal. We are eager to move forward in a timely manner, ideally implementing this in the Fall 2021 semester.

Sincerely,

DocuSigned by:

Charles Emery

F014D50161EE4A8...

Charles F. Emery

Professor and Chair

DocuSigned by:

Stephen Anthony Petrill

4B1874E57BC4448...

Stephen A. Petrill, Ph.D.

Professor and Chair, Graduate Studies Committee

DocuSigned by:

Barbara Andersen

723232FE05CA4D4...

Barbara L. Andersen, Ph.D.

Distinguished University Professor



THE OHIO STATE UNIVERSITY

Department of Psychology

225 Psychology Building
1835 Neil Avenue
Columbus, OH 43210

Phone 614- 292-8185

May 20, 2021

Anika Anthony, Ph.D.
Associate Dean of Academic Affairs
Graduate School, Ohio State University
250E University Hall, 230 North Oval Mall
Columbus, OH 43210

RE: Correspondence of 5/20/21: Response to recommended changes/additions to 3A Graduate Certificate in **Health Psychology/Behavioral Medicine** proposal

Dear Dr. Anthony,

Appended you will find a memo providing point-by-point response to recommendations posed. Your comments are provided along with responses and changed text. In addition, a revised “clean” proposal is attached.

We eagerly await your further review.

Sincerely,

Barbara Andersen

Barbara L. Andersen, Ph.D.

Distinguished University Professor

Memo

Date: May 20, 2021

To: GS/CAA curriculum subcommittee

From: Barbara L. Andersen, Distinguished University Professor

RE: Response to recommended changes/additions to 3A Graduate Certificate in *Health Psychology/Behavioral Medicine* proposal

Verbatim items from 5/20/21 correspondence from A. Anthony, Associate Dean of Academic Affairs, are provided, followed by responses in indented *italics*. Revisions to the proposal are not italicized.

- 1. Further connect the rationale, the courses listed, and the targeted outcomes. How will the proposed course work support students in developing the targeted outcomes? This may be addressed by adding a statement in the narrative rationale and/or a table that demonstrates the alignment between targeted outcomes and program course work.**

As noted in the rationale (Sec. II.A), this program is aimed at individuals in or preparing for careers and/or occupations in health services, physical therapy, nursing, and medicine, as examples, or those anticipating further graduate study these fields as well as public health, biology, clinical psychology, and others. Knowledge gained in required and elective courses is that on inter-relationships among behavioral, emotional, cognitive, social, and biological aspects in health, illness and disease, and health disparities. This provides career and professional enhancements for individuals to improve the health and well-being of individuals, groups, and populations. Demand for this certificate will come from multiple departments and colleges (see Sec. II.D). To date, enrollees in core and elective courses have included all of the disciplines noted as well as MD NIH K career awardees seeking training in behavioral medicine. In this vein, revisions are noted below.

Section II A, Rational, Purpose has been edited, with additions underlined:

This certificate designed for individuals with at least an undergraduate degree (BA/BS) wanting to earn an academic graduate certificate in Health Psychology/Behavioral Medicine. Of note, prior enrollees to these courses have primarily been MA and PhD candidates in non-psychology disciplines and MDs. This program is directly relevant to those currently training or having occupations in health services, physical therapy, nursing or medicine or those anticipating graduate study in these fields as well as public health, biology, clinical psychology and related disciplines or professions (see Sec. II.D below). Thus, course selection and measured outcomes are tailored to the anticipated enrollees and their needs (see Sec. II.E and II. F below).

Section II.E Outcomes has been modified as follows, with additions underlined

Student characteristics: The certificate will be sought and completed by individuals with prior BA/BS, MA, or MD/PhD degrees from units noted above in (see II.D).

Competencies: Predominance (>90%) of grades of B or higher) in each content area noted below as determined by specific courses. Health Psychology/Behavioral Medicine learners will

- Understand the psychological and biobehavioral aspects of stress and its relationship to health and disease processes and the role of social determinants of health (e.g., Psychology 5089, 6867.01, 6867.05).
- Understand the concept of aging, age-related changes in primary organ systems of the body, and the psychological and biobehavioral changes associated with aging (Psychology 5089, 6867.05).
- Understand the interaction of psychological, behavioral, and biological factors relevant to the prevention and control or progression of a primary causes of disability (Psychology 6867.05) and death, i.e., cancer (Psychology 6867.02) and cardiovascular disease (Psychology 6867.07).

Section II.F Assessment Plan has been modified with additions to the section on indirect outcomes. Additions to the list are underlined:

- Number of applications to the program
- Quality of the applicant pool indicated by GPA
- Tally of discipline major or emphasis of BA/BS, MA/MS, and MD/PhD enrollees, by degree level.
- Number of graduate units with participating students
- Proportion of students admitted and matriculated
- Diversity of the applicant pool
- Time-to-certificate in semester
- Proportion of student grades B or higher in the courses for the three outcome areas specified (see Sec II.E above).
- Student retention/completion rates

2. Identify any courses that will be offered as Distance Enhanced (DH) or Distance Learning (DL).

No courses are planned to be offered for DH or DL.

3. To provide clarification on whether all three courses are required, please indicate the number of core courses student are required to take on the completion sheet (PDF page 14).

It is noted on the Completion Sheet as follows:

“CORE COURSE OPTIONS (6 HOURS REQUIRED). Students will have selected a minimum of two courses from the three listed below.”

Department of Psychology
Health Psychology/Behavioral Medicine Graduate Certificate Proposal

I. Introductory InformationName of proposed certificate

Graduate Certificate in Health Psychology/Behavioral Medicine (HP/BM-CR)

Certificate type

Type 3a; Graduate Academic Certificate; Stand Alone

Course delivery

All in-person

Proposed implementation date

Autumn 2021

Academic Unit

Department of Psychology

II. Rationale

II.A Purpose. This certificate designed for individuals with at least an undergraduate degree (BA/BS) wanting to earn an academic graduate certificate in Health Psychology/Behavioral Medicine. Of note, prior enrollees to these courses have primarily been MA and PhD candidates in non-psychology disciplines and MDs. This program is directly relevant to those currently training or having occupations in health services, physical therapy, nursing or medicine or those anticipating graduate study in these fields as well as public health, biology, clinical psychology and related disciplines or professions (see Sec. II.D below). Thus, course selection and measured outcomes are tailored to these anticipated enrollees and needs (see Sec. II.E and II. F below).

II.B Significance. Prevalent and burdensome medical conditions are linked to behavioral and psychological factors. According to the Centers for Disease Control and Prevention, the leading causes of death in the U.S. are heart disease, cancer, chronic lower respiratory diseases, accidents (unintentional injuries), and stroke. Approximately half of all premature (early) deaths are attributable to modifiable behavioral risk factors such as tobacco smoking, physical inactivity, and diet. Moreover, physical and psychological morbidity associated with chronic disease is profound and a major source of health care expenditures. There is evidence that (1) behavioral factors precipitate and contribute to the leading causes of

illness and death in the U.S.¹; (2) when unaddressed, behavioral and psychological factors and social determinants can worsen disease outcomes; and (3) behavioral and psychological interventions are important avenues for the prevention and treatment of chronic diseases and medical conditions^{2,3,4,5}. The health psychology certificate addresses these public health needs through coverage of both research and evidence-based therapeutic practices in health psychology. Moreover, it is well established that cultural, racial/ethnic, socioeconomic, and individual differences play a significant role in health care and health outcomes, and that specific racial/ethnic and cultural groups are disproportionately burdened with negative health outcomes^{6,7}. Much of the recent work on culturally competent practice is informed by the concept of health disparities, defined by the American Psychological Association's Office of Health Disparities as "preventable, adverse differences in health experienced by socially disadvantaged populations in comparison to more advantaged populations." Health disparities are attributed to a confluence of psychological and biobehavioral factors ranging from genetics to individual differences, broader social experiences and environments, and the interplay among them. Therefore, this certificate is central to Ohio State's goal to reduce racial disparities in health and well-being.

II.C Impact. Knowledge of the inter-relationships among behavioral, emotional, cognitive, social, and biological components in health and disease prepare individuals for career and professional enhancements or future choices suited to improve the health and well-being of individuals, groups, and populations. Individuals with such training could, for example, contribute to the design and implementation of primary (e.g., HIV education; mammography screening), secondary (e.g., smoking cessation in health populations) and tertiary (e.g.,

¹ Philip, E.J. and Ostroff, J.S. (2017). Behavioral Approaches to Cancer Prevention. In Holland-Frei Cancer Medicine (eds R.C. Bast, W.N. Hait, D.W. Kufe, R.R. Weichselbaum, J.F. Holland, C.M. Croce, M. Piccart-Gebart, H. Wang, W.K. Hong and R.E. Pollock). <https://doi.org/10.1002/9781119000822.hfcm036>

² O'Connor EA, Evans CV, Rushkin MC, Redmond N, Lin JS. (2020). Behavioral counseling to promote a healthy diet and physical activity for cardiovascular disease prevention in adults with cardiovascular risk factors: Updated evidence report and systematic review for the US Preventive Services Task Force. *Journal of the American Medical Association*, 324(20), 2076–2094. doi:10.1001/jama.2020.17108

³ Williams, M. T., Johnston, K. N., & Paquet, C. (2020). Cognitive behavioral therapy for people with chronic obstructive pulmonary disease: Rapid review. *International Journal of Chronic Obstructive Pulmonary Disease*, 15, 903–919. doi.org/10.2147/COPD.S178049

⁴ Andersen, B.L., Yang, H.C., Farrar, W.B., Golden-Kreutz, D.M., Emery, C.F., Thornton, L.M., Young, D.C., Carson, W.E. III. (2008). Psychological intervention improves survival for breast cancer patients: A randomized clinical trial. *Cancer*, 113, 3450-3458.

⁵ Blumenthal, J. A., Smith, P. J., Durheim, M., Mabe, S., Emery, C. F., Martinu, T., Diaz, P. T., Babyak, M., Welty-Wolf, K., & Palmer, S. (2016). Biobehavioral prognostic factors in chronic obstructive pulmonary disease: Results from the INSPIRE-II Trial. *Psychosomatic Medicine*, 78(2), 153–162. doi.org/10.1097/PSY.0000000000000260

⁶ Shaw KM, Theis KA, Self-Brown S, Roblin DW, Barker L. (2016). Chronic disease disparities by county economic status and metropolitan classification, Behavioral Risk Factor Surveillance System, 2013. *Prevention of Chronic Disease*, 13, 160088. DOI: <http://dx.doi.org/10.5888/pcd13.160088>[external icon](#).

⁷ Vaccarino, V. & Bremner, J.D. (2017). Behavioral, emotional and neurobiological determinants of coronary heart disease risk in women. *Neuroscience & Biobehavioral Reviews*, 74, 297-309. <https://doi.org/10.1016/j.neubiorev.2016.04.023>.

dietary/activity change in cancer patients) prevention interventions to reduce the frequency, morbidity, and mortality associated with chronic illness. As noted above, health outcomes vary considerably within and between different groups due to social and behavioral determinants of health (e.g., age, sex, race/ethnicity, education, income). Individuals with this certificate begin to understand why some health care structures, processes, and interventions may result in different health outcomes for different groups. This provides early knowledge to inform one's career pathway to address health disparities and health problems that cause suffering in our society and burden our health care system.

II. D Sources of Student Interest/Demand. BA/BS degree holders from the following units/departments are anticipated:

Arts and Sciences (9): Psychology, Sociology, Biochemistry, Biology, English, Neuroscience, Pre-Health, Speech and Hearing Sciences, and Women's, Gender and Sexuality Departments

Education and Human Ecology (1): Human Sciences

College of Engineering (1): Biomedical Engineering

College of Medicine (1): Neuroscience

School of Health and Rehabilitation Sciences (7): Health information.

Management & Systems, Health Sciences, Medical Dietetics, Occupational Therapy, Radiologic Sciences and Therapy, Respiratory Therapy, Physical Therapy

College of Nursing (all): Nursing

College of Pharmacy (all): Pharmaceutical Sciences

College of Public Health (all): All majors

Environmental Health Sciences (3): Epidemiology, Health Behavior and Health Promotion, Health Outcomes Policy/Evaluation, Health Services Management and Policy

College of Social Work (all): All concentrations.

Individuals' seeking admission to the following Professional Schools/Colleges:

Dentistry (DDS); Health and Rehabilitation Sciences (PhD); Medicine (MD)

Nursing (PhD); and Pharmacy (PharmD)

II.E Outcomes.

Student characteristics: The certificate will be sought and completed by individuals with prior BA/BS, MA, or MD/PhD degrees from units noted above in (II.D).

Competencies: Predominance (>90%) of grades of B or higher) in content noted below as provided in specified courses. Health Psychology/Behavioral Medicine learners will

- Understand the psychological and biobehavioral aspects of stress and its relationship to health and disease processes and the role of social determinants of health (e.g., Psychology 5089, 6867.01, 6867.05).
- Understand the concept of aging, age-related changes in primary organ systems of the body, and the psychological and biobehavioral changes associated with aging (Psychology 5089, 6867.05)

- Understand the interaction of psychological, behavioral, and biological factors relevant to the prevention and control or progression of a primary causes of disability (Psychology 6867.05) and death, i.e., cancer (Psychology 6867.02) and cardiovascular disease (Psychology 6867.07).

II.F Assessment Plan. The graduate certificate program will be administered by the Department of Psychology, Graduate Studies Chair (S. Petrill, current) and Committee members. The certificate program will be reviewed annually (September). Provided are examples; deidentified data sets will be created and used.

Direct measures will include outcomes that are directly tied to the certificate's ELOs. Specifically, we plan to use the following measures to assess how the program's learning goals are achieved.

- Proportion of students meeting or exceeding the certificate's ELOs as indicated by the proportion of students earning a grade of B or higher. (**Note:** A grade of B- is required for a course to count toward the certificate but a grade of B or higher would be regarded as evidence that a student achieved a level of performance consistent with the goals of the certificate.
- Consideration of individual differences in GPA performance: Distributions by prior major college (e.g., ASC, nursing, etc.), undergraduate GPA, employment status, age, and other relevant variables to be determined.

In addition, indirect measures of uptake and quality of the certificate program broadly relevant to its goals will be studied. Such data include:

- Number of applications to the program
- Quality of the applicant pool indicated by GPA
- Tally of discipline major or emphasis of BA/BS, MA/MS, and MD/PhD enrollees, by degree level.
- Number of graduate units with participating students
- Proportion of students admitted and matriculated
- Diversity of the applicant pool
- Time-to-certificate in semester
- Proportion of student grades B or higher in the courses for the three outcome areas specified (see Sec II.E above).
- Student retention/completion rates

III. Relationship to Other Programs/Benchmarking

Graduate training in health psychology/behavioral medicine has been a cornerstone of the American Psychological Association accredited program in clinical psychology in the Department of Psychology since 1991. In its 30 years of existence, over 60 PhDs have been awarded to those specializing in health, with the majority of graduate placements being in academic psychology or medicine. From its inception, faculty in the area have been, uniformly, distinguished scholars and externally funded researchers, influential in the Department of Psychology being awarded with an Eminent Scholar position in 2002 for the hiring of internationally recognized scholar (Julian Thayer). A recent indicator of the recognition of the faculty and its graduate training is that from the largest professional group, the Society of Behavioral Medicine, awarding the Health Program in Clinical Psychology with the Outstanding

Training Program in Behavioral Medicine Award in 2018. Several faculties have received mentoring awards. It is this program and faculty that lead the HP/BM graduate certificate.

III.A Overlap with other programs at the University: None

III.B Prior submissions: None

III.C Other Programs. A national search identified few programs. Excepting Kansas, other programs are not within departments with existing expertise in health.

1. State of Ohio

- Ohio University
 - None. Somewhat related offerings: Global Health, Health Policy, Veteran's Health
- Bowling Green State University, Miami University, University of Cincinnati, University of Dayton: None

2. National: 4 programs identified

- Tulane University
 - 15 hours. 3 hours required (Choices: Health Psychology I, Health Psychology II, Research Methods, or Data Analysis); 12 additional hours in research methodology or pedagogy electives.
- University of Connecticut
 - 12 hours. 3 hours required (Health Psychology); 9 hours approved electives.
- University of Kansas
 - 12 hours. 3 hours required (Choices: Health Promotion and Disease Prevention, Acute and Chronic Illness or Physical Aspects of Health and Disease); 9 hours approved electives.
- University of Texas, San Antonio
 - 12 hours. 4 required courses: 1) Health Behavior Theory; 2) Community Health; 3) Health Program Planning and Implementation; and 4) Health Program Evaluation.

IV. Number of Enrolled Students Anticipated: 10 new students/year (cap)

V. Curricular Requirements

- Credits required (minimum): 12 hours
- Number of semesters for completion: 2 (minimum) – 4 (maximum). All the courses listed are offered frequently enough (see Appendix A below) for these estimates.
- Existing facilities, university resources, or programs impacted: None

Appendices:

- A: ASC advising sheet for proposed certificate.
- B: ASC completion sheet for HP/BM certificate
- C: Semester-by-semester sample program
- D: Proposed courses for HP/BM certificate

Appendix A: Advising Sheet For Proposed Certificate

COLLEGE OF ARTS AND SCIENCES THE OHIO STATE UNIVERSITY

HEALTH PSYCHOLOGY/BEHAVIORAL MEDICINE (HP/BM-CR) GRADUATE ADVISING SHEET

Coordinating Advisor

Barbara L. Andersen, Ph.D, Distinguished University Professor
 Department of Psychology
 123 Psychology Building
 1835 Neil Avenue
 Columbus, OH 43210-1222
 Telephone: 614- 292-xxxx
 Department website: <http://www.psychology.osu.edu/>

Overview

This graduate certificate program provides students in various disciplines and professions with training in Health Psychology/Behavioral Medicine (HP/BM). By completing this program, students will have understandings of the psychological and biobehavioral aspects of stress and its relationship to health and disease processes, age-related changes in primary organ systems of the body and the psychological and biobehavioral changes associated with aging, and the interaction of psychological, behavioral, and biological factors relevant to the prevention, control, and progression of primary causes of disability and death, e.g., cancer, cardiovascular disease.

Certificate Requirements

Required: 12 credit hours

REQUIRED COURSE OPTIONS (6 HOURS REQUIRED): Choose two or more of the following offerings.

Course	Hours	Prerequisite
Psychology 6867.01	3	none
Psychology 6867.05	3	none
Psychology 5089	3	none

ELECTIVE COURSE OPTIONS (6 HOURS NEEDED): Choose any of the following offerings.

Course (Hours)	Hours	Prerequisite
Psychology 6867.02 (3hrs)	3	Psychology 6867.01 or 6867.05 or concur.

Psychology 6867.03 (3hrs)	3	Psychology 6867.01 or 6867.05 or concur.
Psychology 6867.04 (3hrs)	3	Psychology 6867.01 or 6867.05 or concur.

Health Psychology/Behavioral Medicine Graduate Certificate program guidelines

Students must be admitted into a graduate certificate program.

Admitted students must meet the minimum admission requirements of the Graduate School.

Credit hours required

Minimum of 12 credit hours. Credit hours must be at the 5000-level or above.

X193 credits cannot be applied to the certificate nor can transfer credit.

Overlap with degree program

A maximum of 50% overlap with courses in a degree program is permitted.

Grades required

- Minimum B- for a course to be counted on the certificate.
- Minimum 3.00 cumulative point-hour ratio required for the graduate certificate.

Certificate approval: The certificate program description sheet indicates if the certificate course work must be approved by the academic unit offering the certificate, i.e., Psychology Department.

Consult with Advisor regarding

- Filing deadlines
- Changes or exceptions to a certificate plan

Appendix B: ASC Completion Sheet for HP/BM Certificate

**COLLEGE OF ARTS AND SCIENCES
HEALTH PSYCHOLOGY/BEHAVIORAL MEDICINE**

TYPE 3A CERTIFICATE (HP/BM-CR)

STUDENT NAME: _____

STUDENT OSU EMAIL: _____

CERTIFICATE ADVISOR NAME: _____

REQUIRED TOTAL HOURS: 12

CORE COURSE OPTIONS (6 HOURS REQUIRED)

Students will have selected a minimum of two courses from the three listed below.

Course (Hours)	Course Grade	Term Completed
Psychology 6867.01 (3hrs)		
Psychology 6867.05 (3hrs)		
Psychology 5089 (3 hrs)		

ELECTIVE COURSE OPTIONS* (6 HOURS)

Students will select two more courses (6 credits) from among those listed below.

Course (Hours)	Course Grade	Term Completed
Psychology 6867.02 (3hrs)		
Psychology 6867.03 (3hrs)		
Psychology 6867.04 (3hrs)		

SUBSTITUTION APPROVED (3 HRS ONLY)

***NOTE:** A third core course can be substituted for an elective without prior approval.

Course (Hours)	Course Grade	Term Completed
XXXXXXXXXXXX (3hrs)		

CERTIFICATE ADVISOR SIGNATURE

DATE

Appendix C: Semester-by-Semester HP/BM Sample Program

The curriculum is flexible enough for students to start the program either semester.

	Starting Autumn	Starting Spring
Semester 1 or 2	Psychology 6867.01/05 or 5089	Psychology 6867.01/05 or 5089
Semester 1 or 2	Psychology 6867.02, .03, .04	Psychology 6867.02, .03, .04

Appendix D: Courses for Proposed HP/BM certificate

Required:

Behavioral Medicine: Survey (Psychology 6867.01; 3 credits) Schedule (AU)

This course provides both historical and contemporary perspectives on health psychology. Major topics include conceptualizations of stress, prevention, multicultural aspects in health, psychological responses to medical diagnosis and treatment, responses to chronic illness, and psychological interventions with health populations.

Psychology of Aging and Health (Psychology 6867.05; 3 credits) Schedule (SP)

This course overviews models of aging and adult development, age-related changes in primary organ systems of the body, and psychological and biological/health changes associated with aging.

Neurocognitive Aging, Neurodegeneration, & Neuroplasticity (Psychology 5089; 3 credits) Schedule (SP)

This course overviews changes in adult cognition (emphasis on memory) and the brain (emphasis on structural and functional MRI studies) as a result of normal aging and age-related neurodegenerative diseases (such as Alzheimer's disease and vascular dementia).

Electives:

Behavioral Medicine: Cancer (Psychology 6867.02; 3 credits) Schedule (AU/SP)

This is an overview of biobehavioral aspects of cancer, including psychological, behavioral, and biological factors involved in cancer prevention and control, provision of biobehavioral interventions, and dissemination/implementation of psychological interventions.

Behavioral Medicine: Cardiovascular (Psychology 6867.03; 3 credits) Schedule (AU/SP)

This course overviews the study of psychological factors in development and progression of coronary heart disease, use of relaxation and similar therapies for treatment of hypertension, individual differences in coping with heart disease, and racial/ethnic influences on cardiovascular health.

Psychophysiology (Psychology 6867.04; 3 Credits) Schedule (AU/SP)

This course surveys theoretical, methodological, and applied issues in psychophysiology and applications of psychophysiology to cognitive, clinical, developmental, social, and personality psychology. Discussion of the psychophysiology and related areas in biological psychology is also provided.