IRAO OFFICE USE ONLY	
Received	
In Banner	
MTVCOMP/Codeset	
Master Curriculum	
CIP Code	
Program Code	
Program Description	

University of Hawai'i
Code Request Form for Academic Programs for

NEW OR MODIFY

PROGRAM CODE

Reset Form

[✓] **New Program Code**   [ ] **Modify Program Code**   Date: _____

REQUESTOR CONTACT INFORMATION

Name   Terri Ota

Title   Academic Program/Faculty Affairs Spec

Office/Dept UHWO Academic Affairs

Campus   UH West Oahu

Email   tota@hawaii.edu

Phone   689-2314

NEW PROGRAM CODE TO CREATE

Institution WOA - UH West Oahu   Campus   WOA - UH West Oahu

Level   UG - Undergraduate   Effective Term 201910 (Fall 2018)

	Code (Max. Characters)	**Description**	**Check if requesting new code:**
College	(2) HM	Humanities	[ ] See Banner form STVCOLL
Department	(4) HUM	Humanities	[ ] See Banner form STVDEPT
Degree/Certificate	(6) BA	Bachelor of Arts	[ ] See Banner form STVDEGC
Major	(4) HUM	Humanities	[ ] See Banner form STVMAJR
Concentration	(4) MATH	Mathematics	[ ] See Banner form STVMAJR
Minor	(4)		[ ] See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code: _____

Justification to warrant a new major/concentration code similar to an existing major/concentration code:

_____

Is this major/concentration code being used the same way at the other UH campuses?   [✓] Yes [ ] No

Should this program be available for applicants to select as their planned course of study   [✓] Yes [ ] No
on the online application? *If yes, student may select the code as their only program of study.*

RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION

Is 50% or greater of the classes in this program offered at a location other than the Home   [ ] Yes [✓] No
Campus?

Is this program/major/certificate financial aid eligible?   [✓] Yes [ ] No

Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate   [ ] Yes [ ] No
program)?
See *http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html*

Program Length
*In academic years; decimals are acceptable. The length of the program should match what is published by the campus in
any online and/or written publication.*   4 years

Special Program Designations   [ ] A [ ] B [✓] N [ ] P [ ] T [ ] U
*See Special Program Designations Code Definitions on IRAO
Program Code Request webpage*

Required Terms of Enrollment: [ ] Fall   [ ] Spring   [ ] Summer   [ ] Extended

ADDITIONAL COMMENTS

The BA-HUM is currently an established degree program; this MATH concentration would prepare students in areas requiring a strong foundation in mathematics, or for success at the graduate level, either in mathematics or a related discipline.

This program will also support the BEd in Secondary Education-Mathematics, Secondary and Mathematics Middle Level, as well as attract new students with an interest in the fields of pure and/or applied mathematics.

ATTACHMENTS

BOR Approved: Associate, Bachelor and Graduate Degrees, and sole credential certificates

☐ BOR Meeting Minutes & Supporting Documents ☑ Curriculum

Chancellor Approved: Certificates related to authorized BOR program & Associate in Technical Studies (ATS) Degree

☐ Memo from Chancellor to notify VPAA about new program ☐ Curriculum

For new certificates approved by the Chancellor, the related BOR authorized academic program is:
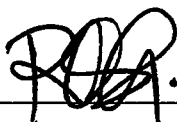
VERIFICATIONS

By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.

Registrar:

Robyn Oshiro

Print Name

(signature)

Signature

07/27/2017

Date

Financial Aid Officer:

CHRISTINA PADILLA

Print Name

Christina Padilla

Signature

7-27-17

Date

For Community Colleges, verification of consultation with OVPCC Academic Affairs:

Print Name

Signature

Date

University of Hawai'i – West O'ahu
FORM FOR ADDITION OR DELETION OF ACADEMIC CONCENTRATION OR CERTIFICATE PROGRAM

Before completing this form, refer to the "New Academic Concentration or Certificate (UHWO Form PC1) Proposal Instructions – AND – New Degree Program (UHWO Form PC2) Proposal Instructions

Action Requested (√ one):

    ☐ Delete Program   √ Add Program

1. If deleting a program, indicate:

    a. Name of existing program
    b. Location of primary references to modified course in current catalog (e.g., SSCI 305 mentioned on pp.37 and 77):
       If deleting a program, proceed to #4.

2. If adding a program, indicate:

    a. Name of proposed program
       Bachelor of Arts in Humanities with Concentration in Mathematics

    b. Program narrative:

The BA in Humanities with Concentration in Mathematics (BAHM) is a four-year program which prepares students with a foundation in the liberal arts to serve professional, career-related, and applied fields, based on state and regional needs. The program is designed to prepare its students for successful careers in secondary education and other areas requiring a strong foundation in mathematics, or for success at the graduate level, either in mathematics or a related discipline. The degree is intended to familiarize students with a wide range of areas within the field of mathematics, and to instill in them an appreciation for the rigor and structure of the discipline.

The mathematics program is designed to give the undergraduate a broad background in modern mathematics and its applications. The upper-division mathematics courses represent a core leading to further work in mathematics or mathematically related areas or careers in mathematics education. Applications may be pursued in such areas as systems theory, statistics, and geometry, mathematical modeling, which are widely used in computer science, business, and the physical, life, and social sciences.

Upon completion of the program, the student will be able to demonstrate the following knowledge and skills:
1. A general understanding of the different areas of mathematics and its applications, and how they interrelate, and the importance of mathematics in a scientifically-oriented society.

2. Classical theorem-proving skills, which include the ability to reason quantitatively and to apply the rigor necessary to construct proofs, proofs by contradiction, and proofs by induction.
3. A refined understanding of the problem-solving process, formulate definitions, give examples and counterexamples, and make inferences and generalizations.
4. Experience conducting research and reading, writing, and articulating mathematically-related material without supervision.
5. A working knowledge of technology appropriate to the field.
6. The skills necessary to solve problems using a variety of techniques, including algebraic, numerical, and spatial reasoning through visualization.

c. Program requirements (e.g. number of credits required, specific courses required, etc.)
Please see attached Draft Academic Advising Sheets for the BAHM requirements.

d. Proposed courses for the program

Course Alpha & Number	Course Title
MATH 241	Calculus I
MATH 242	Calculus II
MATH 243	Calculus III
MATH 244	Calculus IV
MATH 307 or 311	Linear Algebra and Differential Equations or Introduction to Linear Algebra
MATH 321	Introduction to Advanced Mathematics
MATH 327	History of Mathematics
MATH 331	Introduction to Real Analysis
MATH 371	Elementary Probability Theory (Statistics)
MATH 304	Mathematical Modeling
MATH 480	Senior Seminar
MATH 491	Senior Project (Note: CC 1 form proposed to Curr. Committee on Feb 2017)

Note: For addition of courses, forms CC1 should already have been completed and submitted.

3. Will the proposed program addition require any additional resources? √ No ☐ Yes
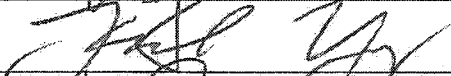If "yes," please explain:

Justification or rationale for program action (deletion or addition)

This program will prepare students for successful careers in areas requiring a strong foundation in mathematics, or for success at the graduate level, either in mathematics or a related discipline. Additionally, this program, deeply rooted in the liberal arts tradition brought forth by the studies in Humanities, is designed to produce well-rounded graduates, having the ability to bridge technical skills with communication skills as well as ethical discourses and analysis.
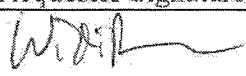
This program will also support the Secondary Education – Mathematics and Middle Education – Mathematics degrees, as well as attract new students with an interest within the field of pure and/or applied mathematics.

4. Have all relevant personnel been consulted? ☐ No √ Yes

If "yes," obtain signatures for those who approve:

Name	Concentration	Signature
Dr. Olivia George	Math Science-Humanities	*Olivia George*
Dr. Joseph Bariyanga	Humanities-MathScience	*(signature)*
Dr. Michael Furuto	Humanities-MathScience	*(signature)*
Dr. Kamuela Yong	Humanities-MathScience	*(signature)*
Dr. Veny Liu	Humanities-MathScience	*(signature)*
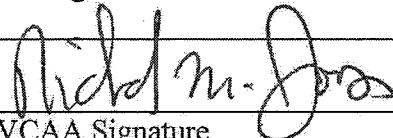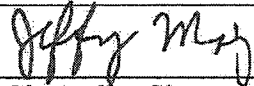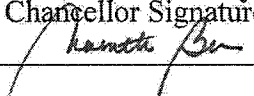
5. Change requested by:

Requester Name (Please Print):	Requester Signature	Date
Dr. Esther Widiasih	*(signature)*	02/07/2017

6. Change Reviewed by:

Division/Program Chair (Please Print)	Chair Signature	Date
Dr. Stanley Orr		2-8-17

7. UHWO Action approved by:

UHWO Curriculum Chair Name (Please Print):	CC Signature	Date
RICHARD M. JONES		2/14/17
UHWO Vice Chancellor Academic Affairs (Please Print):	VCAA Signature	Date
Jeffrey Moniz		2/27/17
UHWO Chancellor (Please Print): MARNETTE BENHAM	Chancellor Signature	MAR - 1 2017

8. *UH System Approval*

   a) *Council of Chief Academic Officers (Systemwide Consultation):*

   _____

   Print Name   Signature   Date

   b) *UH Vice President for Academic Affairs:*

   _____

   Print Name   Signature   Date

   c) *UH President:*

   _____

   Print Name   Signature   Date

Bachelor of Arts in Humanities Concentration Mathematics

The goal of academic advising is to further enhance the educational mission of the university, and create quality, accessible advising partnerships with all students in a positive environment that supports student success. This advising sheet is for tracking purposes toward degree completion. Students also may track their academic progress via STAR Degree Check through MyUH at myuh.hawaii.edu. Academic Advising appointments may be scheduled by calling 808-689-2689 or toll-free from neighbor islands at 866-299-8656.

Graduation Requirements (see the 2016-2017 catalog for any additional graduation requirements):

☐ 45 Upper Division Credits Minimum ☐ 3 Upper Division Writing Intensive Courses ☐ 2.0 *OVERALL GPA*
☐120 Total Credits Minimum ☐ Focus Requirements (OC, HAP, ETH) ☐ 2.0 *UHWO GPA*
☐ 30 UHWO Credits ☐ 2.0 *CONCENTRATION GPA*

GENERAL EDUCATION REQUIREMENTS: 31 credits

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
3	Foundations Written Communication (FW) ENG 100 Composition I			
3	Foundations Symbolic Reasoning (FS)			
3	Foundations Multicultural Perspectives (FG): 6 credits from two ***different*** groups (A, B, C): *Group A: Primarily before 1500 CE (e.g.; HIST 151 or ANTH 151) *Group B: Primarily after 1500 CE (e.g.; HIST 152 or ANTH 152) *Group C: Pre-history to present			
3	Foundations Multicultural Perspectives :			
3	Diversification Arts, Humanities & Literature (DA, DH, DL) (recommended H-Focus)			
3	Diversification Arts, Humanities & Literature (DA, DH, DL) (recommended O-Focus)			
3	Diversification Social Sciences (DS): *(recommended: PSY 100)*			
3	Diversification Social Sciences (DS): Different area from above.			
3	Diversification Natural Sciences: 3 credits from the bio sciences (DB)			
3	3 credits from the physical sciences (DP):			
1	1 credit of laboratory (DY):			

UHWO WRITING SKILLS REQUIREMENT: 3 credits

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
3	ENG 200 Composition II (or equivalent) with a "C-" or higher			

MATH REQUIREMENT: 4 credits

4	Math 241 or higher with a grade of "C" or higher. *(can also satisfy FS req. in General Ed.)*			

HUMANITIES CORE REQUIREMENTS: 24 credits total (15 credits – Lower Div., 9credits – Upper Div.)

HUMANITIES CORE REQUIREMENTS: 15 credits – Lower Division

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
3	HIST 151			
3	HIST 152			

9 credits of multi cultural/multi discipline courses with no more than 6 credits in any one SUBJECT area: To obtain further multicultural perspectives from several disciplines.

ENG 253 Survey of World Literature I   ENG 254 World Literature II   HIST 281 Intro to American History I
ENG 254 World Literature II   ENG 257 (alpha) Literary Themes   HIST 282 Intro to American History II
PACS 108 Pacific Worlds   HWST 107 Hawai'i: Center of Pac.   PHIL 210 Social and Political Phil.
PHIL 102 Intro to Philosophy   HIST 231 European Civilization
HIST 232 Modern European Civilization PHIL 220 Intro to Feminism   HIST 241 Civilizations of Asia

Credits				
3				
3				
3				

HUMANITIES CORE REQUIREMENTS: 9 credits – Upper Division

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
3	HUM 300			

6 Upper Division Credits in ONE Humanities Concentration (other than the one you're specializing in): Creative Media, History, Philosophy, Hawaiian Pacific Studies. To obtain an additional discipline's perspective.

BA Humanities Conc. Mathematics DRAFT 2016

CONCENTRATION MATHEMATICS REQUIREMENTS: 33 credits

Credits	Course Alpha/Number/Title	WI or Focus	Semester Completed	Grade
	Lower Division (10 credits)			
4	MATH 242 Calculus II			
3	MATH 243 Calculus III			
3	MATH 244 Calculus IV			
	Upper Division (23 Credits)			
3	MATH 307 Linear Algebra and Ordinary Differential Equations OR MATH 311 Introduction to Linear Algebra	WI		
3	MATH 321 Introduction to Advanced Mathematics	WI		
3	MATH 327 History of Mathematics	ETH		
3	MATH 371 Elementary Probability Theory			
4	MATH 304 Mathematical Modeling			
3	MATH 331 Real Analysis			
1	MATH 480 Senior Seminar			
3	MATH 490 Senior Project (Not yet in the book)			

CONCENTRATION MATH ELECTIVES: 9 credits
6 credits of which must be numbered 400 or higher up

MATH 411 Linear Algebra
MATH 373 Elementary Statistics
MATH 412 Intro to Abstract Algebra I
MATH 413 Intro to Abstract Algebra II

MATH 351 Found. of Euclidean Geometry
MATH 405 ODE and Stability Theory
MATH 431 Advanced Calculus
MATH 496 Independent Research

3				
3				
3				

CONCENTRATION OTHER ELECTIVES: 18 credits
9 Lower Division, 9 Upper Division
Please note upper and lower division electives may vary depending on your course selection. See a Student Services Academic Advisor

3				
3				
3				
3				
3				
3				

February 2, 2018

MEMORANDUM

TO: Dr. Donald Straney
                 Vice President for Academic Affairs

VIA: Dr. Maenette Benham
                 Chancellor

FROM: Dr. Jeffrey Moniz
                 Vice Chancellor for Academic Affairs

SUBJECT: Request for program codes for new UHWO concentrations in Mathematics and
                      Community Health; and a Subject Certificate in Music

The following new concentrations and subject certificate have been approved by the
Chancellor at UH-West O'ahu:

1) New concentration for the BA-HUM: Mathematics
    Approved: 03/01/17
    Effective: Fall 2018

2) New concentration for the BA-PUBA: Community Health
    Approved: 01/23/18
    Effective: Fall 2018

3) New subject certificate SC-HUM in Music
    Approved: 01/23/18
    Effective: Fall 2018

The requests for the new codes with supporting documents are attached. If you have any
questions, or need additional information, please contact Terri Ota (tota@hawaii.edu; phone:
689-2314). Thank you.

c: Pearl Iboshi, Director, IRAO