Curriculum Studies
Ethnomathematics
Graduate Certificate and
MEd Math Education

PROGRAM SHEET
Graduate Certificate and Master's Degree
30 CREDITS, ONLINE AND FACE-TO-FACE

APPLICATION INFORMATION:
This program is for those seeking the Ethnomathematics Graduate Certificate and MEd Curriculum Studies, Math Education degree pathway. Program participants holding a license in the State of Hawai‘i may add a field of licensure in ethnomathematics through the Hawai‘i Teacher Standards Board.

PROGRAM START/END DATES
Start: Summer (July)
End: Fall (December)

APPLICATION DEADLINE
February 15 (inquire about availability after this date)

LENGTH
17 months

TUITION
Approximately $19,911 (HAWAI‘I RESIDENTS)
Approximately $33,336 (NON-RESIDENTS AND INTERNATIONAL STUDENTS)

PREREQUISITES
- Bachelor’s degree from an accredited institution (any field)
- GPA: 3.0 or above
- Teaching experience in grades P–20 (early childhood through university) or equivalent experience

COURSEWORK INFORMATION:

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<tr>
<th>COURSEWORK (30 credits)</th>
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<tr>
<td>Summer</td>
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<tr>
<td>EDCS 654: Ethnomathematics (3 credits)*</td>
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<td>Fall</td>
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<tr>
<td>EDCS 606: Intro. to Research in Curriculum and Teaching (3 credits)*</td>
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<td>EDCS 622G: Curriculum Leadership K–14 (3 credits)*</td>
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<td>EDCS 624: School Mathematics Curriculum (3 credits)*</td>
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<td>Spring</td>
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<td>EDCS 494: Problem Solving in Mathematics Education (3 credits)*</td>
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<td>EDCS 632: Qualitative Research Methodology (3 credits)*</td>
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<td>EDCS 667: Seminar in Curriculum (3 credits)*</td>
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<td>Fall</td>
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<td>EDCS 640H: Seminar in Teaching Mathematics (3 credits)*</td>
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<td>EDCS 653F: Mathematics in the Schools - Integrated Content (3 credits)*</td>
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<tr>
<td>EDCS 699: Directed Reading and/or Research (3 credits)*</td>
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*Applied projects are embedded into coursework.
All candidates will also complete an Ethnomathematics thesis or capstone project.

REQUIREMENTS FOR OPTIONAL HAWAI‘I TEACHER STANDARDS BOARD (HTSB)
- Existing Hawai‘i teaching license
- 3 years teaching experience
- Apply at: https://hawaiiteacherstandardsboard.org/content/add-a-teaching-field/

“As far as I know, no other academic degree program in ethnomathematics exists in the world. Thus, the Ethnomathematics Graduate Certificate at the University of Hawai‘i is an excellent opportunity for giving an appropriate academic role to this subject where mathematics can be looked at from fresh and exciting standpoints.”
Ferdinando Arzarello
International Commission on Mathematical Instruction (ICMI) Former President
## GENERAL PROGRAM INFORMATION

The Ethnomathematics Graduate Certificate and MEd Curriculum Studies, Math Education degree pathway is designed for teachers, other educators, and graduate students who want to gain deep knowledge in the area of ethnomathematics. Ethnomathematics is real-world problem-solving that empowers students to be locally-minded, global citizens through a sense of purpose and a sense of place. The program prepares teachers as leaders to transfer culturally-sustaining mathematics knowledge to classroom, school, and district levels by strengthening P-20 college, career, and community readiness. This program incorporates Mathematics Common Core State Standards, Next Generation Science Standards, and Nā Hopena A‘o values-based frameworks.

### CLASS TYPE & CERTIFICATION INFORMATION

ONLINE AND FACE-TO-FACE PROGRAM: Most of the program is online, with synchronous online class sessions in the early evenings. Program participants will be placed in cohorts, and will complete the course sequence together beginning each summer (July 1-7, 2019, subject to change) and ending each fall (December 2020, subject to change). There are four face-to face* sessions during this program: (1) a one-week immersion in summer, (2) two in-person professional development days (one in fall and one in spring), and (3) a weekend in spring (May 2-3, 2020, subject to change). Stipends may be provided to assist with travel.

*Candidates residing outside of Hawai‘i will be offered an alternative format for participation in professional development days ONLY.

### STIPENDS & FUNDING OPPORTUNITIES

MERIT-BASED STIPENDS: Candidates taking the Ethnomathematics course sequence as part of the MEd in Curriculum Studies may be eligible to apply for departmental stipends, based on available funds.

FEDERAL TEACHER LOAN FORGIVENESS: Teachers at Title I schools may qualify for between $5,000-$17,500 loan forgiveness. Please refer to [https://studentaid.ed.gov/sa/repayloans/forgiveness-cancellation/teacher](https://studentaid.ed.gov/sa/repayloans/forgiveness-cancellation/teacher)

FINANCIAL AID & SCHOLARSHIPS:
- Financial Aid Services: [http://www.hawaii.edu/fas](http://www.hawaii.edu/fas)
- University of Hawai‘i: [http://www.star.hawaii.edu/scholarship](http://www.star.hawaii.edu/scholarship)
- Hawai‘i Education Association: [http://www.hawaiieducationassociation.org/hea-scholarships](http://www.hawaiieducationassociation.org/hea-scholarships)
- Office of Hawaiian Affairs: [http://www.oha.org/scholarships](http://www.oha.org/scholarships)
- Kamehameha Schools: [https://apps.ksbe.edu/financialaid/](https://apps.ksbe.edu/financialaid/)

### CONTACTS

**PROGRAM ADVISOR:**
Dr. Linda Furuto | lfuruto@hawaii.edu

**CURRICULUM STUDIES DEPARTMENT CHAIR:**
Dr. Patricia Halagao | phalagao@hawaii.edu

TO APPLY OR FOR MORE INFORMATION:
[https://tiny.cc/ethnomathematicsmasters](https://tiny.cc/ethnomathematicsmasters)