

# EMPAC + ARTS



**ARTS-4976/6976**

SEMINAR IN NEW PERFORMANCE  
INSTRUMENTATION (NPI)

**Pauline Oliveros**

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Research Professor

**Tarek Atoui**

EMPAC Guest Artist  
WH118 DAY and TIME TBA Fall 2015

## COURSE DESCRIPTION

Students will engage in designing and building new instruments and interfaces for performance. There will be a special emphasis on building instruments for the hearing impaired through study of Deaf Space ([http://www.gallaudet.edu/campus\\_design/deafspace.html](http://www.gallaudet.edu/campus_design/deafspace.html)) with EMPAC guest artist Tarek Atoui. (<http://www.vitamincreativespace.com/en/?artist=tarek-atoui>)

New Performance Instrumentation research focuses on understanding how one designs hardware and software to achieve the best possible interface for live multi-media performance. For example, each performer has different performance goals to achieve and a different array of AV

functions needing access during performance. How to effectively access functions via software and hardware during performance without breaking attention to the sound and/or image stream is the core of this research seminar. (<http://www.houseofcouncil.org/Tacet-poster-solo.pdf>)

Students may also propose their own projects with a performance goal by the end of the semester. Seminar time will be utilized to discuss, work on and demonstrate projects in progress. Prerequisite is demonstrated ability to engage in design, engineering, programming and building skills in software and/or hardware for musical instruments via portfolio of achievements.



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