

2021-22 Request to Teach at West Houston Institute

The West Houston Institute is HCC's hub for innovation and is designed to facilitate teaching and learning experimentation by faculty as a central part of its mission to reimagine and reinvent higher education. Each semester, interested faculty from all disciplines are encouraged to make a request to teach at our campus. Those selected will have access to the unique learning spaces available at WHI and will be able to work directly with our staff on the development and offering of their reimagined courses. For 2021-22, we have three areas of focus that we encourage faculty to consider. Requests that include one or more of these areas will be prioritized.

1. **Challenge-Based Learning** – Engaging students in connecting what is learned in the classroom to real-world problem-solving through projects and research.
2. **Communities of Practice** – Developing student competencies through an apprenticeship model of learning grounded in authentic learning experiences that reflect professional environments.
3. **Micro-credentials** – Awarding student achievement with digital badges that recognize completion of soft and hard skills, such as creativity or coding, within an academic course or program area.

APPLICANT INFORMATION

Name _____ Email _____

Course(s) _____ Semester Fall 2021 Spring 2022

Type of Space Requested (See page two for descriptions):

Lecture Classroom Active Learning Classroom Experimental Classroom Computer Lab Science Lab

Support Areas to be Utilized (See page two for descriptions):

Collaboratorium IDEASudio Makerspace Learning Commons Research Lab

If selected, are you willing to provide a write-up of your experience? Yes No

SIGNATURES

Faculty Member: _____ Date _____

Program Chair: _____ Date _____

Dean: _____ Date _____

PROJECT BRIEF (250 WORDS)

Provide a brief summary of what you would like to do at WHI (continue on next page if needed):

Continue with project brief if needed:

About Our Learning Spaces

TEACHING SPACES

Lecture Classrooms – All classrooms are equipped with a multimedia teaching station that includes an instructor computer, controller and wall mounted 80” flat screen monitor.

Active Learning Classrooms – Designed to promote collaborative learning facilitated by media and technology. Room design features four large pods seating up to nine students each. Each pod includes a whiteboard and 60” monitor.

Experimental Classrooms – Created as part of our Learning Spaces Initiative, these spaces offer integrated furniture and technology design to promote media-rich, project-based learning. Faculty will need to participate in our ongoing research into the use of these spaces as part of their usage.

Computer Labs – 24 desktop computers with advanced computing capacity capable of handling most software packages and network-based applications. Includes multimedia teaching station.

Science Labs – Labs are available in the Life, Physical, and Engineering sciences. In addition to equipment outfitted for each lab type, all labs also include 3-4 desktop computers and multimedia teaching stations.

INSTRUCTIONAL SUPPORT SPACES

Collaboratorium – A facilitated environment to promote creative problem-solving and solutions design. Includes technology-enhanced divergent and convergent spaces for ideation and collaboration.

Digital Media Center – Library supported space for digital media development spaces to support visual communication. Includes One Button Studio (video recording), audio recording booth, and media editing lab.

IDEAStudio Makerspace – The technological anchor of the building, the 10,000-square foot makerspace provides an electronics lab, 3D printers, laser cutters, CNC routers, and traditional tools for digital fabrication and prototyping. Promotes student creativity, collaboration, and 21st century skills acquisition.

Learning Commons – Library supported space for study, collaboration, content creation, research, and learning support. Includes instructional computing lab, single and group use study rooms, 24 high performance desktop computers.

Research Lab – Multi-room lab space with specialized equipment for materials research, including x-ray diffractometer, atomic force microscope, electron microscope, as well as a cell culture room with storage, freezer and incubator.

Submit completed proposal via email to WHI Coordinator, John Swann at john.swann@hccs.edu.