

## NSU College of Dental Medicine—Health Professions Division

### Davie, FL

ACAI recently completed the renovation of NSU's 6,500 SF Dental Simulation Laboratory at its College of Dental Medicine in Davie, Florida. The object of the project was to redesign the existing space to effectively implement the new technology available in dental education. This upgrade enhanced the students learning experience as well as the capacity of the facility. By replacing the existing stations with state-of-the-art modular units and efficiently redesigning the circulation pattern, student capacity was raised from 130 to 166 seats and additional space for future expansion of an additional 28 seats was achieved.

The dental units manufactured by Pininfarina incorporate space, technology and utilities in a more compact, all in, circular footprint. The seats are arranged in pods of four, each with fold out self-stored "patients", monitor, air, vacuum, data, LED lighting and power for the new instruments, on a new raised floor system finished with interlocking vinyl flooring. The raised floor system provided for minimal disruption while in construction (read: lower construction costs) and ease of facilities management.

A key component of this project was the use of laser scan technology in our field investigations resulting in a scan-to-BIM as built model

### Remodel/Adaptive Reuse/ Restoration

#### Career-tech/voc-ed

#### ACAI Associates, Inc.

2937 W. Cypress Creek Road, Ste. 200  
 Ft. Lauderdale, FL 33309  
 www.acalworld.com  
 Adolfo J. Cotilla, Jr., AIA  
 954/484-4000

#### DESIGN TEAM

KAMM, MEP

#### OWNER/CLIENT

Nova Southeastern University Ft.  
 Lauderdale, FL 33314  
 Dr. Fred Lippman, Chancellor, Health Professions  
 Division  
 954/262-1508

#### KEY STATS

Grades Served: Post-Secondary  
 Capacity: 166 students  
 Building Area: 6,414 sq. ft.  
 Space per Student: 38.63 sq. ft.  
 Cost per Student: \$8,406  
 Square Foot Cost: \$217.55  
 Project Cost: \$1,395,424  
 Completion Date: April 2016  
 Percentage of Renovated Space: 9.12%

PHOTOGRAPHY: BARRY GROSSMAN



as an essential tool to accurately depict specific 3D information, minimize penetrations and maximize students comfortably. The design elements and technology used in this project provide flexibility, easy access to infrastructure, and accurate documentation, all essential information necessary for future continued expansion of the Dental Program.

