

Scanning Electron Microscopy OCG 6551C

**COLLEGE OF
MARINE SCIENCE**

Spring 2012 Course

CRN: 21610

Jan 9 – May 4

USF St Petersburg Campus

Lecture: Tues./Thurs. 10-11:20AM, KRC 3120

Lab: Thurs: 1:00-2:50PM, KRC 2125

HOW TO REGISTER

Marine Science Majors

Lecture and lab: 21610

Other USF Majors

Request Permit from:

Tony Greco: tgreco@marine.usf.edu
(Include: **1.name**, **2.USF ID number**,
3. student level **4. Major Program**)

Not a USF Student?

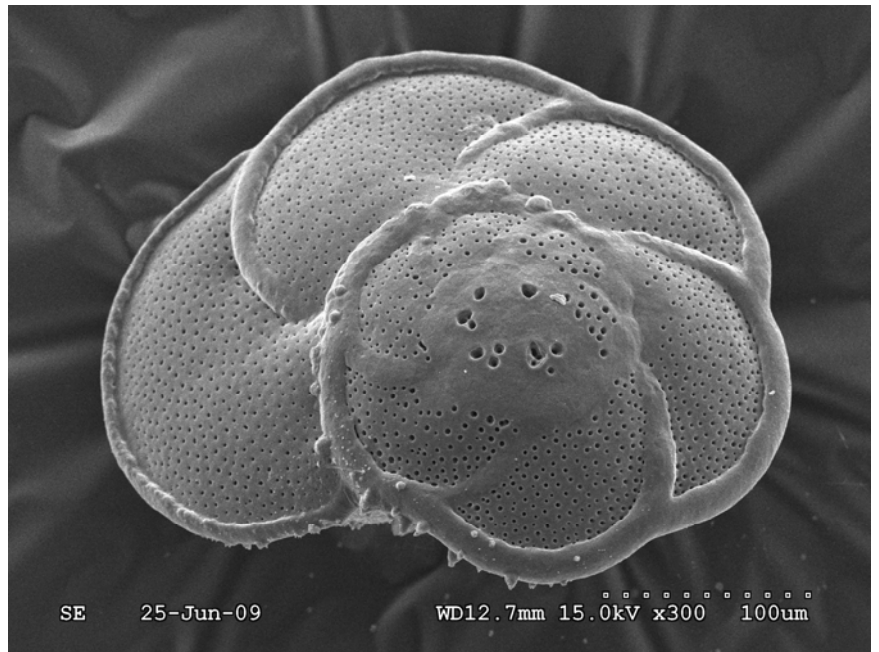
Become a Non-Degree student and
request a permit. (\$30 application fee)

For details, visit:

<http://www.usf.edu/Admission/non-degree-seeking.asp>

Deadlines:

Register by: January 6, 2012



About the Photo: Benthic Foraminiferan

ABOUT THE COURSE

This course covers the theory and techniques of Scanning Electron Microscopy (SEM). Lecture topics include: specimen preparation, the history of microscopy, electron guns, electron lenses, SEM signals and detectors, vacuum systems and imaging. The last part of the course will include a discussion of x-ray microanalysis. A weekly lab will include lessons in specimen preparation and individual training on SEM operation. Grades will consist of 3 lecture tests and an individual project using both biological and non-biological specimens the student has prepared and imaged on the SEM..