

Measuring Biodiversity in the Fossil Record

[Fossil Diversity Sem]

COURSE INFO & SYLLABUS

1 credit

Spring 2015

GLY-6932 (section 2F24) || ZOO-6927 (section 2F21)

Instructor: Michal Kowalewski (kowalewski@ufl.edu), Dickinson 254 (Tel: 352-273-1944)

Lectures: Wednesday 9:35-10:25 (230 Dickinson Hall)

Prerequisites: None

Textbook Required: None

Synopsis: This graduate-level seminar will center on recent advances in paleontology with a specific focus on measuring and interpreting biodiversity patterns in the fossil record. Topics in related disciplines (e.g., zooarcheology, ecology, conservation) will also be considered. The course will be aimed primarily at graduate students in paleontology, zooarcheology, and related disciplines. The course will consist of weekly meetings to discuss advances in biodiversity research based on the most recent scientific literature. Students will be expected to attend all meetings, read assigned readings, and develop, lead, and moderate at least one seminar. Students will be evaluated based on attendance, in-class participation, and seminar moderation.

Syllabus (tentative)

Week 1: Introductory lecture: "Measuring biodiversity"

Week 2: Guest lecture (to be announced)

Week 3: Guest lecture (to be announced)

Week 4: Seminar 1 (moderated by a student)

Week 5: Seminar 2 (moderated by a student)

Week 6: Seminar 3 (moderated by a student)

Week 7: Seminar 4 (moderated by a student)

Week 8: Seminar 5 (moderated by a student)

Week 9: Seminar 6 (moderated by a student)

Week 10: Seminar 7 (moderated by a student)

Week 11: Seminar 8 (moderated by a student)

Week 12: Seminar 9 (moderated by a student)

Week 13: Seminar 10 (moderated by a student)

Week 14: Synthesis Session 1 (moderated by Instructor)

Week 15: Synthesis Session 2 (moderated by Instructor)