

# **Focused Regenerative Endodontics Review**

## **Course Syllabus**

**Course Name & Number:** Focused Regenerative Endodontics: Endo 6080

**Course Director:** Nikita B. Ruparel, MS, DDS, PhD

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**Course Description and Overall Goals:** This course is intended to provide a focused review on the most relevant scientific evidence on regenerative endodontics. Emphasis will be given on the critical appraisal of existing scientific evidence on stem cell biology and tissue engineering related to regenerative endodontics. The articles are selected according to their impact on clinical and biological considerations pertinent to the understanding of the endodontic practice. .

**Student's Evaluation:** Class attendance and participation during discussion related to the literature reviewed is extremely important to this course and will be taken into consideration of the student's performance. Periodic daily quizzes will be given. The quality of abstracts will also be used to evaluate the student.

**Grading Policy:** Grades will be determined by performance on the weekly quizzes and participation in class discussions. The quality of the written abstracts and the student's oral presentation of article abstracts will also be included in grade determination. Letter grades will be given based on grading scale of 90-100 = A; 80-89 = B; 70-79 = C; F=69-0.

**Attendance Policy:** Attendance at all course sessions is expected. If illness or family emergency prevents attendance, the student will contact the Program Director upon return. The course Director will determine the method of examination testing and the scheduling of the makeup examination.

**Missed Examination Policy:** If an examination is not taken due to non-attendance at class, the student will immediately contact the course director upon return. The course director will determine the method of examination testing and the scheduling of the makeup examination.

**Remediation:** For remediation of Focused Regenerative Endodontic course, the student will review areas of deficiency, as well as, any other assigned pertinent materials. There will be one written examination within one month after the notification of the need for remediation.

**List of Each Session's Title:**

History of Regenerative Endodontics  
Biological Principles of Regenerative Endodontics  
Stem Cell Biology 1  
Stem Cell Biology 2  
Disinfection and Regenerative Outcomes  
Scaffold Types, Design and Clinical Use  
Growth factors and Morphogens  
Levels of Evidence on Clinical Outcomes

**Required and Recommended Textbooks:** There are no recommended textbooks for this course. PDFs are available for the articles.