

MASTER'S OF CHEMISTRY – NON THESIS OPTION CUMULATIVE EXAMS TOPICS

During the last semester of graduate students enrolled in the Master's in Chemistry non-thesis program students must pass four final cumulative exams, one in each of the core chemistry topics: Analytical, Inorganic, Organic, and Physical Chemistry.

FORMAT

The format of these exams is as follows:

- 1) Two of these exams must be in the traditional written questions and answer format with an allocated time of no more than three hours each.
- 2) One of these exams must be in the form of a scientific report, on a topic or question determined by the instructor in charge of teaching the Advanced Core class to which the student registered.
- 3) One of these exams must be in the form of a scientific oral presentation on a topic or question determined by the instructor in charge of teaching the Advanced Core class to which the student registered.
- 4) The student can decide which core chemistry exam will be in the report and oral formats.

IMPORTANT DEADLINES

During his/her final semester, the student must inform the Graduate Advisor of his/her intentions as to the format of each core cumulative exam. The student must also inform the instructor in charge of teaching the Advanced Core classes to which the student registered by the deadline for application for graduation.

- Deadline to inform the graduate advisor and all instructor of intent to graduate: 03/04/2009.
- Deadline for application for May graduation: 03/04/2009.
- The student must choose or be assigned a topic by Friday March 20th 2009 (to be confirmed).
- The student must pass ALL cumulative exams by Friday April 10th 2009 (to be confirmed).

Contact The Graduate Advisor for confirmation of deadlines

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AVAILABLE TOPICS

Below are the available topics for the Oral or Report Sections of the cumulative exams in some discipline. Please contact the instructor as early as possible.

Advanced ANALYTICAL Chemistry (Dr. Shukla)

TBA

Advanced INORGANIC Chemistry (Dr. Lumpkin)

TBA

Advanced ORGANIC Chemistry (Dr. Martin – christopher.martin@lamar.edu)

1. Photochemically removable protecting groups in organic synthesis
2. Biaryl coupling reactions
3. Commonly used organic soluble acid sources
4. Organo-copper catalysts in organic chemistry
5. Methods of Aromatic Amine (Aniline) Oxidations

Advanced PHYSICAL Chemistry (Dr. Bernazzani)

TBA