

# CHPH - CHEMICAL PHYSICS

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**CHPH618 Special Projects in Chemical Physics (1-3 Credits)**

Independent reading and study covering chemical physics subject areas not available in other courses.

**Restriction:** Permission of instructor.

**Repeatable to:** 6 credits.

**CHPH707 Advanced Laboratory - Photon Correlation Spectroscopy of Soft Matter (3-4 Credits)**

The course is based at the Photon Correlation Spectroscopy facility, also known as Dynamic Light Scattering (DLS). The DLS has three state-of-the-art instruments for the characterization of nano-and meso-scale heterogeneities in soft-matter materials, such as nanoparticles, polymers, protein molecules in solution, gels, and microemulsions.

**CHPH709 Seminar in Chemical Physics (1 Credit)**

Current research and developments in chemical physics.

**CHPH718 Special Topics in Chemical Physics (1-3 Credits)**

A discussion of current research problems in chemical physics.

**Repeatable to:** 99 credits if content differs.

**CHPH799 Master's Thesis Research (1-6 Credits)****CHPH898 Pre-Candidacy Research (1-8 Credits)****CHPH899 Doctoral Dissertation Research (1-8 Credits)**