

## THE UNIVERSITY OF NEW MEXICO SENATE GRADUATE COMMITTEE

**DATE:** October 17, 2002

**TO:** SGC Committee

**FROM:** SGC Curriculum Sub-Committee (Chaouki Abdallah, Chair; Mary Ellen Hanson, Andy Pressman and Greg Gleason)

**RE:** Curriculum Forms B – New Course Proposal (Revised)

COLLEGE/SCHOOL	UNIT	COURSE NUMBER, NAME & DESCRIPTION	ACTION
Arts & Sciences	Biology	Biol 516- Ecology Graduate Core (4 cr.) Major themes in current ecological research, with in-depth exploration of the theoretical and empirical literature of individual, population, community, ecosystem and landscape ecology. Recommended for all Biology Dept. graduate students in any field of ecology, evolution and behavior. Possible duplication with Biol courses; offered as topics 2001-2002.	Approved
Arts & Sciences	Biology	Biol 517- Evolution Graduate Core (4 cr. ) An in-depth coverage of the primary literature and ideas in the major areas of evolutionary biology: adaptationism, social evolution, phylogeny molecular evolution, speciation. Recommended for all Biology Dept. graduate students in any field of ecology, evolution and behavior. Possible duplication with Biol courses; offered as topics Spr. 2002.	Approved
Engineering	Civil Engineering	CE *354/554-Probability & Statistics for Civil Engrs (3cr.) Introduction to probabilistic and statistical techniques, including descriptive measures, distributions, hypotheses testing, regression, and analysis of variance, and their application to specific examples in the planning, design, construction, operation, and maintenance of civil engineering facilities. No duplication due to specific focus of content to CE; offered as topics Fall 2001	Approved
Engineering	Civil Engineering	CE 549- Vadose Zone Hydrology (3 cr.) Principles and applications of water, energy, and solute transport in the near-surface environment. Topics covered include moisture characteristic curves, unsaturated hydraulic conductivity, Richards equation, and numerical solutions. Processes studied will include filtration, redistribution, evapotranspiration, and recharge. No duplication; offered as topics.	Approved

