

1023-N5-1891 **Debasree Raychaudhuri*** (draycha@calstatela.edu), Dept. of Mathematics, 5151 State University Dr., Los Angeles, CA 90032. *Psychology, pedagogy and epistemology in context of secondary mathematics: A content course for secondary mathematics teachers.*

There is an undeniable gap between the world of graduating mathematics majors, and the teaching professionals they are expected to become in a short amount of time. Research reports show that prospective secondary mathematics teachers (PSMTs) often depart with possession of surface knowledge of pedagogy and little confidence to successfully connect advanced mathematics and secondary mathematics contents. In this session we hope to share our experience in designing and delivering a course that addresses pedagogy in context of secondary mathematics, learning theories as reflected in student approaches of grasping the mathematical concepts and the connections between advanced and high-school mathematics. In addition we shall discuss our PSMTs' experiences and opinions of such a course offered at a mathematics department. (Received September 27, 2006)