

**McGraw Math500A Fall 2007 Tentative Schedule**

Week of:	Topics/Readings (to be read before the specified week)	In-class Activities and Due Dates
Aug. 20	<b>Cognitive demand of mathematical tasks</b> Smith, M. S., & Stein, M. K. (1998) Stein, M. K., & Smith, M. S. (1998)	Task sort
Aug. 27	<b>Mathematical tasks (continued)</b> Henningsen, M., & Stein, M. K. (2002) Stein, M. K., Grover, B. W., & Henningsen, M. (1996)	Focus topic due
Sept. 3	<b>Culture and education</b> Stevenson, H. W., & Stigler, J. W. (1992) [Ch. 5: Effort & Ability & Ch. 6: Satisfaction & Expectations]	Labor Day – no class
Sept. 10	<b>Motivation and methods of grouping</b> Middleton, J. A., & Spanias, P. A. (2002) Linchevski, L., & Kutscher, B. (2002)	Library resources
Sept. 17	<b>Knowledge of concepts and procedures</b> Ma, L. (1999) Chapter 2: Multidigit Multiplication Pesek, D. D., & Kirshner, D. (2002)	How to conduct task-based interviews
Sept. 24	<b>Algorithms</b> Ma, L. (1999) Chapter 3: Division by Fractions Usiskin, Z. (1998)	
Oct. 1	<b>Strands of Mathematical Proficiency</b> National Research Council (2001)	Bibliography due Development of interview protocol
Oct. 8	<b>Rational Numbers</b> Moss, J., & Case, R. (2002) Langrall, C. W., & Swafford, J. (2000)	Submission of interview protocol draft
Oct. 15	<b>Geometry</b> Ma, L. (1999) Chapter 4: Perimeter and Area Clements, H. C. (2003) – part 1	
Oct. 22	<b>Geometry</b> Clements, H. C. (2003) – part 2	Article synthesis due
Oct. 29	<b>Pattern, function, and algebra</b> Swafford, J. O., & Langrall, C. W. (2002) Driscoll, M. (1999) [Ch. 5: Generalizing]	
Nov. 5	<b>Pattern, function, and algebra</b> Smith, E. (2003) Driscoll, M. (1999) [Ch. 6: Symbol Sense]	
Nov. 12	<b>Mathematical knowledge for teaching</b> Ma, L. (1999) Chapter 5: Subject Matter Knowledge	Veteran's Day – no class
Nov. 19		Task-based interview presentations
Nov. 26	<b>Equity</b> Moschkovich, J. (2007) Khisty, L. L., & Chval, K. B. (2002) <b>OR</b> Brenner, M. E. (1998)	
Dec. 3		
Dec. 12		Literature review due