**FMB 004**

**UNIVALENT FUNCTIONS**

**FALL 2010-2011**

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**Contents:** The class of typically real functions, The class of close-to-convex functions, The class of close-to-starlike functions, The class of spirallike functions, The class of starlike functions ofcomplex order, The class of convex functions of complex order, The class of p-valent functions.

**Principal Textbook:** P. Duren, *Univalent Functions*, (Grundlehren der mathematischen Wissenschaften 259), Springer-Verlag, Berlin, 1977.