

MBD0013

## UNIVALENT FUNCTIONS II

SPRING 2013/14

INSTRUCTOR: Yaşar Polatoğlu, İstanbul Kültür University, DMCS

TIMETABLE: To be announced

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ASSESSMENT: Homework assignments and a final exam.

PRE-REQUISITES: Acquaintance with the basics of Complex Analysis.

PRINCIPAL TEXTBOOK: P.L. Duren, *Univalent Functions*, Springer-Verlag, New York, 1983

### PROGRAMME

WEEKS	SUBJECTS TO BE COVERED
1 & 2	Subordination principle
3 & 4	Integral means
5 & 6	Some special topics on univalent functions I
7 & 8	Some special topics on univalent functions II
9 & 10	Some special topics on univalent functions III
11 & 12	General extremal problems
13 & 14	Boundary variation
<b>Will be announced</b>	<b>Final Examination</b>

SUGGESTED READING:

- A.W. Goodman, *Univalent Functions, Vol 1 & Vol 2*, Mariner Publishing, Tampa, Florida, 1983.