Course Information

1 Staff

Lecturer:	Professor Tom Leighton		
	Math Office:	2-377	x3-3662
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TA:	Daniel Lewin		
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Secretary:	Susan Welby		
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Meetings:	Monday and Wednesday		
	1:00–2:30pm		
	Room 5-134		

2 Prerequisites

A good course in theory of algorithms. 18.414/6.851 is preferable but 18.410/6.046 or the equivalent is sufficient. No previous experience with parallel computation or VLSI is necessary.

3 Exams

There won't be any!

4 Problem Sets

There will be 7 problem sets, each with about 10 problems of varying difficulty. Students should solve most of the easy problems and make some progress on some of the harder problems.

5 Programming Assignment

There will not be a programming exercise on the CM-5 this year. Students with access to a parallel machine may undertake a programming project on their own which can be used as a substitute for one of the problem sets.

6 Research Topics

A list of open problems and research topics is included in the notes and will be updated as the term progresses. Students are strongly encouraged to work on one or more of the problems, making whatever progress they can. No projects are required, however.

7 Readings

The readings from the course will consist of class notes and *An Introduction to Parallel Algorithms and Architectures: Arrays, Trees, Hypercubes,* which is available at the Coop. The class notes are in MIT/LCS/RSS-24 which is available in my LCS office (NE43-328). Material not covered in the lecture notes will be handed out when necessary.