

# CS 5500

Spring 2013

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# Calling the Shot

(chapter 8 of *The Mythical Man-Month*)

400 LOC per hour  
3200 LOC per day  
500,000 LOC per year

200 m	26
1500 m	3:15
10,000 m	21:40
42,195 m	1:31:25



$$\text{effort} = \text{constant} * (\text{program size})^{1.5}$$

KLOC	person-months
2	1
10	11
50	125
100	350
200	1000
800	8000

# Ten Pounds in a Five-Pound Sack (chapter 9 of *The Mythical Man-Month*)

large may be okay,

but unnecessarily large is bad

reuse helps

algorithmic efficiency more important than micro-efficiency

efficient representations are important

# The Documentary Hypothesis

(chapter 10 of *The Mythical Man-Month*)

Amid a wash of paper, a small number of documents become the critical pivots around which every project's management revolves. These are the manager's chief personal tools.

# Critical Documents

objectives

specifications

schedule

budget

organization chart

space allocations

estimate, forecast, prices

# Written Documents Are Essential

to detect incompleteness, inconsistency

communication