

15-213

“The course that gives CMU its Zip!”

L6: Malloc Lab

Writing a Dynamic Storage Allocator

October 30, 2006

Topics

- Memory Allocator (Heap)
- L6: Malloc Lab

Reminders

- L6: Malloc Lab Due Nov 10, 2006

L6: Malloc Lab

Things that matter in this lab:

- Performance goal
 - Maximizing throughput
 - Maximizing memory utilization

- Implementation Issues (Design Space)
 - Free Block Organization
 - Placement Policy
 - Splitting
 - Coalescing

- And some advice

Some sort of useful backgrounds