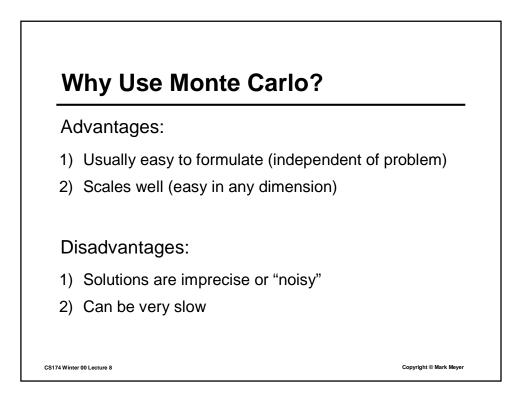
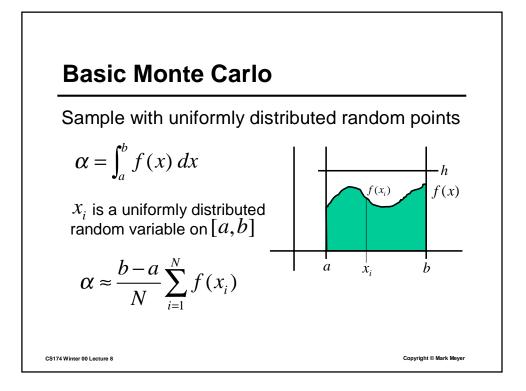
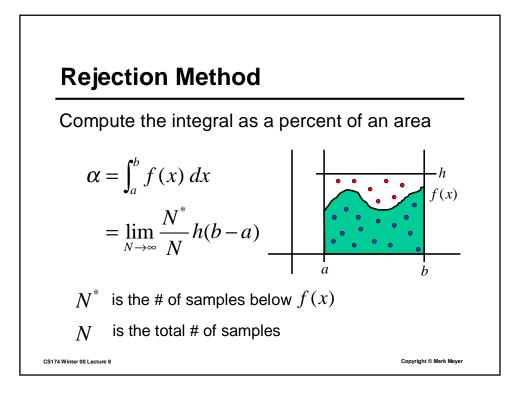
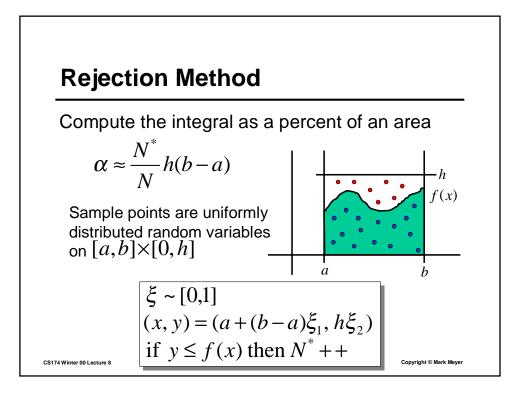
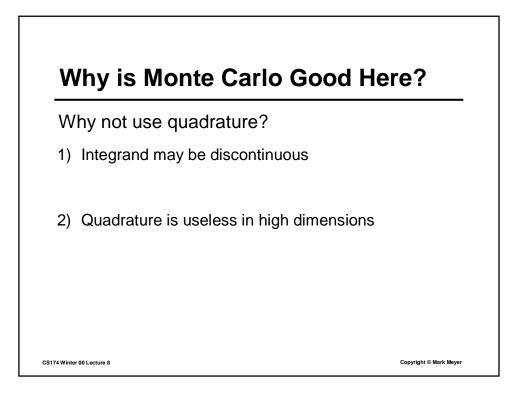
N	Ionte Carlo Techniques
M	onte Carlo: The use of statistical methods to solve math problems that may or may not (initially) involve probability
M	onte Carlo Algorithm:
1)	Devise a random variable whose mean is the solution
2)	Devise a way to generate samples
3)	Collect statistics
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Probability Density Function (PDF): is a function from [a,b] to *R* such that: 1) $f(x) \ge 0 \quad \forall x \in [a,b]$ 2) $\int_{a}^{b} f(x) dx = 1$ 3) $P(x_{1} \le x < x_{2}) = \int_{x_{1}}^{x_{2}} f(x) dx$ Corrected by the second s

