

Lecture 1	Lecture 2	Lecture 3	Lecture 4	Lecture 5	Lecture 6	Lecture 7
Overview of Distributed Scientific Computing 4 Topics	Distributed Batch Systems 4 Topics Tutorial A	Performance Evaluation of Workloads 4 Topics	Workflow Systems and Workflow Design 4 Topics Tutorial B	Concurrent Programming Models 4 Topics Tutorial C	Network and Data Locality Considerations in Workflow Design 5 Topics	Distributed and Parallel Filesystems 5 Topics Tutorial D
1A - Data Intensive Scientific Computing 1B - Cluster Architecture 1C - Fault Tolerance 1D - Course Overview Guest Speaker	2A - Distributed Batch System 2B - Distributed Batch System User Interface 2D - Distributed Batch System Best Practices Guest Speaker	3A - Performance Evaluation 3B - Job Lifetime 3C - Amdahl's Law 3D - Workload Partitioning Guest Speaker	4A - Workflow Systems 4B - Workflow Concepts 4C - Workflow Languages 4D - Pilot Jobs Guest Speaker	5A - Concurrent Programming 5B - Master-Worker Programming with Work Queue 5C - The Work Queue Framework 5D - Tuning and Troubleshooting Work Queue Programs Guest Speaker	6A - Network Performance and Data Locality in Workflow Design 6B - Network Layers, Terms and Security 6C - Campus research Network Performance Bottlenecks 6D - Local, Remote and Cached Data 6E - Common Tools for Data Movement Guest Speaker	7A - Distributed and Parallel Filesystems 7B - Desktop Storage Limitations 7C - Distributed Filesystem 7D - Distributed Filesystem, continued 7E - Hybrid Storage Systems Guest Speaker
	Tutorial A: The HTCondor Distributed Batch System		Tutorial B: The Makeflow Workflow System	Tutorial C: The Work Queue Programming Framework		Tutorial D: Data Transit - From Remote Repository to Local Cluster Filesystem