## Upcoming HPC Classes

<table>
<thead>
<tr>
<th>Quick Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPC at NYU</td>
</tr>
<tr>
<td>HPC Newsletter</td>
</tr>
<tr>
<td>Getting started on Prince</td>
</tr>
<tr>
<td>Getting an account</td>
</tr>
<tr>
<td>Prince How-to Articles</td>
</tr>
<tr>
<td>Logging in Windows</td>
</tr>
<tr>
<td>Mac / Linux</td>
</tr>
<tr>
<td>Clusters and Storage July 2017</td>
</tr>
<tr>
<td>Mercer (HPC, retired)</td>
</tr>
<tr>
<td>Prince (HPC)</td>
</tr>
<tr>
<td>Dumbo (Hadoop)</td>
</tr>
</tbody>
</table>
Dalmata (NYU Abu Dhabi)

Transferring data to/from the clusters

Transferring data to/from Prince cluster using Globus

Submitting jobs with sbatch

Available software

Building Software Tutorials

Programming for Biologists

Research Gallery

FAQs

NYU HPC Cheat Sheet

Wiki Map

HPC Policies
**Big Data Tutorial 1: MapReduce**

Date: Monday, September 18, 2017  
Time: 12:00pm - 2:00pm  
Presenter: Santhosh Konda  
Location: Bobst Library, Rm. 617, 6th Floor  
Libraries: Bobst Library  

This class will provide a brief overview of what Hadoop is and the various components that are involved in the Hadoop ecosystem. There will be a hands on showcase for the users on how to use the dumbo(Hadoop) cluster to run basic map-reduce jobs. Various hands on exercises have been incorporated for the users to get a better understanding.

**Class Materials**

*The pre-requisites of this class:*

1. HPC user account is mandatory.
2. The user needs to have a basic knowledge of Unix and Java/python.

---

**High Performance Computing at NYU**

Date: Tuesday, September 19, 2017  
Time: 3:00pm - 4:00pm  
Presenter: Eric Peskin  
Location: Dibner Library, LC 433  
Libraries: Bern Dibner Library

NYU High Performance Computing (HPC) operates and supports high-performance computing resources and assists the NYU research community in their use. HPC resources are open to NYU faculty, staff, and faculty-sponsored students, and they may be used for class instruction.

This workshop will cover what High-Performance Computing (HPC) is and why and how it can be useful. We will discuss how HPC can help researchers, faculty teaching courses, and their students. We will describe the resources available at NYU, and how to get started.

For more information: NYU HPC

---

**Big Data Tutorial 2: Using Hive**

Date: Wednesday, September 20, 2017  
Time: 2:00pm - 4:00pm  
Presenter: Santhosh Konda  
Location: Bobst Library, Rm. 617, 6th Floor  
Libraries: Bobst Library

This tutorial provides a basic understanding of Apache Hive and its usage in the Hadoop eco-system. There will be hands-on examples on how to use Apache Hive and a step by step instructional on how to run Hive jobs using NYU's Dumbo(Hadoop) Cluster.

**Class Materials**

*The pre-requisites of this class:*

1. HPC user account is mandatory.
2. Experience using SQL

---

**Big Data Tutorial 3: Intro to Spark**
This tutorial provides a basic understanding of Apache Spark and its usage in the Hadoop eco-system. There will be hands-on examples on how to use Apache Spark and a step by step instructional on how to run Spark jobs using NYU's Dumbo (Hadoop) Cluster.

Class Materials

The pre-requisites of this class:

1. NYU HPC user account is mandatory.
2. Experience using Scala/Java.

Intro to Unix/Linux and the shell

Date: Wednesday, September 27, 2017
Time: 11:00am - 12:00pm
Presenter: Santhosh Konda
Location: Dibner Library, LC 433
Libraries: Bern Dibner Library

A hands-on introduction to using the Unix command line interface. Aimed at HPC users with little to no Linux experience. We'll cover sessions 1 and 2 of the "Introduction to Unix/Linux and the HPC environment at NYU" tutorial on the NYU HPC Wiki. The tutorial is available online at https://wikis.nyu.edu/pages/viewpage.action?pageId=53859101

Most of the activities in this tutorial can be completed without an NYU HPC account, but you will get more out of this class if you are already an NYU HPC user. You can apply for an account at https://wikis.nyu.edu/display/NYUHPC/High+Performance+Computing+at+NYU (see "Getting and Renewing Access")

Bringing a laptop is recommended