Please note that some of the installation instructions are intentionally sparse. At a 400 level computer science course, a student should be able to make use of Google/Bing, supporting vendor documentation, and course texts to try and resolve any issues that may arise in the installation process.

1.) Download and set up VMware Player, VMware Workstation Pro, or other Virtualization Tool

If you already use another virtualization tool other than VMware, that is acceptable. You may skip this step. Download the current VMware Player from http://www.vmware.com/go/downloadplayer
I recommend using VMware Workstation Pro because it enables you to save snapshots and revert to them to a saved state if something unfortunate happens. This is a feature I **strongly** recommend for your classes, particularly this one.

You can obtain a fully licensed version of VMWare Workstation Pro through DSU if you wish:
https://dsu.onthehub.com/WebStore/ProductSearchOfferingList.aspx?srch=vmware+workstation
If you have not registered for an account, it will take up to a few days for it to be approved, so do not delay. (You can always build in VMware Player and migrate to VMware Workstation Pro if you are late starting and facing deadlines.)

Please note system requirements:

System Requirements

> 64-bit x86 Intel Core 2 Duo Processor or equivalent, AMD Athlon™ 64 FX Dual Core Processor or equivalent
> 1.3GHz or faster core speed
> 2GB RAM minimum/ 4GB RAM recommended
> Workstation 12 Player installation:
> 300MB of available disk space for the application. Additional hard disk space required for each virtual machine. Please refer to vendors recommended disk space for specific guest operating systems.

If you have a 32 bit system, you will need the old version, VMware Player 6.0:
https://my.vmware.com/web/vmware/free#desktop_end_user_computing/vmware_player/6_0|PLAYER-605|product_downloads

If for some reason you lack a computer or reliable access to a computer, you can set up your own environment in Projects under the IA LAB. I do NOT recommend this option as it will be much more inconvenient, but it is an option if you lack system resources.. https://ialab.dsu.edu/

2.) Download Kali Linux
https://www.kali.org/downloads/
Please select the appropriate Kali Linux set up for your machine, e.g. 32 bit or 64 bit. Read and explore kali.org to find appropriate documentation to help you in installation. It is required you install this in a virtual environment. **You may select an already created image of Kali if you wish; make sure it is current.**

3.) Install Kali Linux in the VMware Player environment.
> Again, note if you use another virtualization environment, it is acceptable to install it there.

4.) Download and install Metasploitable in VMware or other virtualization
https://sourceforge.net/projects/metasploitable/
Refer to Engebretson chapter 1 and relevant supporting documentation at the above site.

5.) Submit a document that shows screenshots of the following:
1. Installation of a virtualization environment;
2. In Kali Linux environment, open a terminal and type ifconfig. **Make sure your name is visible somewhere on the screenshot (e.g. in a file, etc.).**
3. In Metasploitable, provide a screenshot that displays your name somewhere.

All of these screenshots should be contained in one file, such as a Word document, PDF, etc. *Individual screenshots will not be accepted.* As to naming convention, please use the format of CSC436-Surname-A1.