GITLab Commands

Initial Setup

```
git config --global user.name pcurtiss
git config --global user.email pcurtiss@mtech.edu
git config --global push.default matching
git config --global core.editor vim
git config --list
```

Initial Project Setup

```
cd <project directory>
git init
```

Editing and Adding Files

```
git add <filespec> | .      // Adds new files to the local
                            // repo, or . adds recursively
git commit -a -m 'Text message here' // Commit changes in
                            //the files to the local repo
```

Connect local repository to remote repository

```
// Create remote repo on GITLab server
git remote add origin master <remote url spec (ssh|http)>
git push -u origin master // only need the -u origin master
                          //  when switching/first time
```

Cloning a repository

```
git clone <remote url spec (ssh|http)>
```

Create a branch in local repository

```
git branch newBranchName
```

Switch branches in local repository

```
git checkout <branch> // e.g. git checkout newBranchName
```

Push local changes into remote new branch

```
git add .
git commit -a -m 'added important information'
    // -a for "add" and -m for "message"
git push -u origin someFiles
    // only need the -u origin someFiles when switching
```

Synchronize your repository with remote

```
git fetch  // sych local repository with remote
           // Doesn't update local branches or create
           // local branches to track remote branches
git pull   // git fetch followed by git merge to bring
           // changes into your working copy
```

Viewing information

```
git help commandName  // help on a command

git branch -a    // list all branches - local & remote

git branch -r    // list remote branches

git remote -v    // view remotes for push and fetch
```