**CSCI 204 Queue ADT Activity**

1. Implement the Queue ADT with a linked list in a file named **llistqueue.py** (the reason we specify the file name is that the test program is looking to import the Queue ADT from this file.)

You can find the starting code and the test program at the course website.

The Queue ADT needs to have three attributes, head, tail, and count. It will also support the following standard operations. See the **llistqueue.py** in the **student** folder for details.

is\_empty() # return True if the queue is empty, False otherwise

\_\_len\_\_() # return the length of the queue

\_\_str\_\_() # return a string representation of the queue

enqueue() # insert an item into the queue

dequeue() # remove an item from the queue

peek() # return the item at the front without removing it

Test your implementation by running the test program, **test\_linkedlist\_queue.py**