# Instructional Resources

I have crafted this list from my personal experience teaching online at Penn State. It will require adjustment when applied to a specific course. As a structured online course, there are predetermined general learning activities that will occur during each week of class. These require the same general resources that are developed for use and then modified to suit each week’s instructional needs. Those learning resources are listed below and unique resources created expressly for specific topics appear in the table.

1. General Resources
   1. Required textbook
   2. Supplemental student packet
      1. The packet will include the course syllabus, weekly assignments, and supplemental problems.
   3. Access to online homework.
   4. Online discussion board.
   5. Nonprogrammable Calculator
   6. Multi-Subject Notebook
      1. A minimum of three sections are recommended
         1. Notes
            1. To be filled in while reading course materials.
         2. Recitation
            1. To solve problems and record information encountered during class sessions.
         3. Homework
   7. Recitation Worksheets
      1. Worksheet with individual problems and objectives for each of the week’s two recitation periods.
   8. Recitation Queries
      1. Three unique questions per week to be given at the end of each of three recitations each week.
2. Technological Requirements
   1. Computer with internet access (preferably high speed)
      1. Software
         1. PC
            1. Microsoft Office, specifically Word and PowerPoint
            2. Adobe Acrobat
            3. Java RE
            4. Flash player
            5. Quicktime plugin
            6. Mozilla Firefox browser (recommended)
         2. Mac
            1. Microsoft Office, specifically Word and PowerPoint
            2. Adobe Acrobat
            3. Java RE
            4. Seashore
            5. Flash player
            6. Quicktime plugin
            7. Mozilla Firefox browser (recommended)
   2. Wacom bamboo tablet
      1. The included software and drivers should be installed as well.
   3. USB headset

Built-in microphones and speakers are not sufficient as they negatively interact with the online classroom.