

Installation Instructions for upTick Financial Simulation Software  
ECO467/567: Institutional Finance, AY Fall 2008  
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The class will make use of a financial-simulation software tool developed at HBS called “upTick”. Through this program, we will be deriving and developing tools to trade in simulated markets. Your success depends on not only how well you understand concepts, but how well you can actually implement them in the trading software, so you should familiarize yourself with the software. Students from the last class really enjoyed the experience.

There is some initial setup involved, which Prof. Brunnermeier and I would like you to try and put in some of the initial footwork, since we will use this software on the first day. The **software requires Windows XP or Vista** (see <http://www.upticklearning.com/system-requirements.php> ) for full system requirements), and also **requires Microsoft Excel**.

We will be asking you to pair up in teams of two on the first day of class, so if you do not have a compatible laptop, you should come to class anyway, and pair up with someone who does have a compatible laptop. It’s a good idea to partner with the same person for the whole semester.

Sorry for the pain to get started – most of it has to do with Vista – but students from the last class ended up really enjoying the overall experience, so hopefully you will as well. Please find below instructions to install and get started with upTick.

Regards,  
Ing  
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**NOTE 1:** Prof. Brunnermeier has arranged a special agreement with UpTick so that you do not have to purchase the software. As such, you **must** follow the special instructions below, even though in some places it will be a little different than the instructions from the website. Again, do **not** pay the \$25 for the software yourself; instead, follow the instructions below.

**NOTE 2:** There are special instructions below to ensure compatibility with Windows Vista (as opposed to XP). Please read carefully.

**Step 1: Installation**

1. Go to <http://upticklearning.com/student-sign-in.php>
2. Enter the following in the information fields:
  - a. Email: [student@princeton.edu](mailto:student@princeton.edu)
  - b. Password: upTick (case sensitive)
3. Click “Download UpTick”, and **select “Save As...”** (do not choose “Run”)
4. After it has finished downloading:
  - a. If you are using Windows Vista, **right-click** the installation file, and choose “Run As Administrator...”

- b. If you are using Windows XP, double click the installation file.
5. Proceed with the installation directions.

### **Step 2: Post-Installation (Windows Vista ONLY)**

1. Click on the windows icon / start button, and go to Control Panel
2. Click "Security" [if you are using "classic view", click "Security Center"], and then click "Windows Firewall"
3. On the left-hand panel, click "Allow a program through Windows Firewall" – grant administrative access
4. Click the "Add program..." button
  - a. Scroll down under the list of programs to "**Run UpTick – Classroom Edition**"
5. Click "OK" until you all dialog screens.

### **Step 3: Register the software**

1. To start the program:
  - a. **Windows Vista Users:** To start the program, right-click "Run UpTick – Classroom Edition" in the start menu and select "Run As Administrator...". **You will need to do this every time you start the program.**
  - b. **Windows XP Users:** Click "Run UpTick – Classroom Edition"
2. Click "Register UpTick"
3. **Do not enter your Princeton.edu email address.** Instead, enter:
  - a. Email: [student@princeton.edu](mailto:student@princeton.edu)
  - b. Password: upTick (case sensitive)
4. Click "OK", and then "Exit", and restart the program. Note: Vista users, you will need to run it as administrator.

### **Step 4: Verify this stuff works**

1. Start the program.
2. Click "Start upTick Tutorials"
3. Click "Download Tutorial"
4. Scroll down to "Law of One Price Tutorial", and click "Download Tutorial"
5. Run the tutorial. (Once or twice, running it didn't seem to work – restarting the program seemed to make it all better.)
6. Click "Next" and "Continue", skipping most of the tutorial (click "Skip" to get past the first two "missions"), until you get to the third mission: "Enforcing the Law of One Price"
7. If an Excel spreadsheet opens and self-updates with data from the market screen, then everything is working.

If the last step doesn't work, come to class 15 minutes early on Monday and I'll try to help you out.