

## TASSEL 團隊倫理

(2007.12.4 初稿，2009.5.19 修訂二稿，2012.6.19 修訂三稿，2014.3.13 修訂四稿)

1. You get what you earn: 你所得報酬多寡，是根據你的努力決定的。
  - a. 認真工作自然會得到好的推薦信，有新的 TA/RA 機會也會優先考慮。
  - b. “From everyone who has been given much, much will be demanded; and from the one who has been entrusted with much, much more will be asked.” (Luke 12:48b)
  - c. 論文的作者排序，一般 Economics 是按照姓氏字母排序。但是我們的論文希望能按照實際的貢獻程度來排序。
  - d. The Camerer Rule: 每篇文章的第一作者請負責「到底」(投稿期刊後的修改、回覆)，直到被接受為止，否則其他人可以「接管」。
2. The professor is NOT inerrant: 我有錯誤，請糾正我！I will benefit for this! You should aim to be even better than I am! Challenge me, so you can grow out of me!
  - a. 有時候我會講太多話，使得 meeting 太長，請提醒我。
  - b. 有時候我做事會太著急，請提醒我。
3. Experimenter Integrity: 實驗過程、結果必須完全真實，違反者永不錄用。
  - a. 實驗者可以犯錯，但必須更正：實驗請嚴格按照經濟學實驗方法進行，尤其是 no deception (商鞅徙木立信)。Honest mistake 難免，但必須更正、補償。
  - b. 數據真實：實驗結果可以不符合預期，甚至完全不符合理論預測(這是正常的！表示理論有改進的空間)，但是請不要因此就自行更改實驗數據。
  - c. 引用他人：實驗報告的每一句話，如果不是在實驗中發現的，請註明出處。
4. Ask for help if you need it: 躲起來不會解決問題！
  - a. 如果事情超過你所能負擔的，請讓願意、而且能幫助你的人來幫忙。
  - b. “I am not trying to rob you, but to help you.” ~Gandalf to Bilbo in *The Fellowship of the Ring, Book One, Chapter I, A Long-Expected Party*.
5. 每週有 lab meeting，且有個別 meeting。在個別 meeting 前一晚交 weekly report，確認上週 meeting 內容、報告本週進度與下週預定工作。
  - The door should be left open if we are alone. (for 女生)

結論：(黃埔軍校創校時門口的對聯)「升官發財請走他路，貪生怕死勿入此門」

Road map for Complete Training in Experimental Economics:

1. Take Micro theory I (graduate course) taught in English.
2. Take Experimental Economics (elective course).
3. Work as RA in TASSEL. (Can start before 1. and 2.)
4. Present your work in an ESA conference and visit Caltech in the summer to do research, maybe as SURF (paid by Caltech) or visit Berkeley (via BESAP) as a senior student.
5. Apply for graduate school or post doc in experimental economics.

Requirements for writing a (bachelor, master, or PhD) thesis with me:

1. Start with one “given” project to learn hands-on experience on running economic experiments, but look for your own research question/project along the way.
2. The goal is to complete an English paper to be submitted to a decent journal. Here, “decent” means *American Economic Journal: Microeconomics (AEJ-micro)*, *Journal of Economic Theory (JET)*, *Games and Economic Behavior (GEB)*, or *Journal of Economic Behavior & Organization (JEBO)*, *Experimental Economics (EE)* if not higher (AER, ECMA, JPE, QJE or REStud). This would help both of us in research, and help you apply for a job or graduate school. If you do not want this, please rethink your decision.
3. Make sure your English composition skills are adequate (such as taking English classes in NTU or LTTC). In particular, the writing center of NTU offers several English composition courses that will help prepare you to write your thesis.
4. Take Advanced Calculus (if you plan to apply for graduate school).
5. When you leave, please prepare to submit the data set and all relevant STATA or Matlab files. If you have any questions about this requirement, please read the “data availability policy” of the *American Economic Review*. If you cannot do so at the time of departure, you should commit to follow-up on the project until it is in print (typically takes years).
6. Be motivated and fear not to challenge me. A passive attitude would lead to slower progress.
7. Help each other’s experiment. This is the best way to get training on running experiments and obtain future help from them (reciprocity). I will not be able to advise many students if I have to oversee all of the sessions.
8. As long as I have funding, you will have priority to get paid as an RA (Master \$10,000 per month, PhD depend on workload). Your main work will be running your own experiment, but I will also assign other jobs (helping out in others’ or my experiments).

Here is my own take about pursuing an Economics PhD at NTU (我對在台大念經濟學博士的看法是):

1. Looking into the future, the requirements for a PhD to survive in Taiwan's academia will eventually go beyond the current "just publish in any SSCI (or whatever) journal." Instead, it will require one to publish high quality research at top journals.<sup>1</sup> So the danger is holding a myopic view and not seeing the bar rising. 未來台灣學術界的標準會愈來愈高，因此不要天真地接受「只需要在任何 I 類期刊發表論文」的現況。要理性預期最後你會需要「在你的領域中最好的期刊(top field journals)發表高品質研究」。
2. In order to make sure you can survive, you have to acquire the ability to **do high quality research**. This ability would allow you to consistently publish in at least top field journals, and may give you a shot at top journals (where the key is high quality research with "general interest.") 生存之道在於**做高品質的研究**。這樣，你就能夠不斷地在最好的領域期刊(top field journals)發表論文，甚至有機會挑戰頂尖期刊(top journals)。（頂尖期刊要求的是「能夠引起廣泛興趣(general interest)」的「高品質研究」）
3. To conduct high quality research in experimental economics, the abilities you need are: 想要做實驗經濟學方面的高品質研究，你需要具備以下能力：
  - a. The ability to be a good consumer of economic theory (be it general equilibrium, game theory, or monetary theory), 做經濟理論的好消費者(全面均衡或賽局論)
  - b. The ability to design and conduct economic experiments (in the lab or in the field), 從事實驗的能力：能夠設計並執行經濟學實驗(不論在實驗室或現場)
  - c. The ability to analyze the data you collect, using basic statistics, (panel data or time series) regression methods and structural estimation technique (MLE, etc.) 資料分析的能力：會用敘述統計（含無母數檢定）、回歸分析（時間序列或重複觀察(panel data)）與結構模型估計（如 MLE）來分析獲得的實驗資料
  - d. The ability to write up your research in English (as well as Chinese) and present it in a concise and story-telling way. 能用中英文精確、有邏輯、有故事地呈現結果

Doing high quality research in experimental economics is difficult compared to other fields (that require only a subset of these abilities). But this also means you are much less replaceable and

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<sup>1</sup> For example, the oral tenure criteria of NTU Economics is at least have one paper published in a "top field journal," though the list of "top field journal" is purposely not defined.

face less competition. 要做實驗經濟學的高品質研究比其他領域更難(因為需要具備上述所有的能力)。但這也表示你面對較少競爭，更不容易被取代。

4. First year graduate courses helps you develop the ability of (a) and (c). Working at TASSEL will help develop (b). However, these are insufficient and you will have to further sharpen these skills to produce high quality research. Writing a thesis with me can help develop these skills further, especially (d), but there are some things you have to prepare yourself: You need to have the English ability to write clearly and logically, as well as the mathematical background to understand economic models others build. The former can be developed at NTU's writing center (or similar courses in English composition); the latter can be developed by taking courses from the math department. 研一必修能夠幫助你培養 a, c 兩項能力，在 TASSEL 實驗室協助實驗能夠培養 b，不過這些還只是初步。跟我寫論文可以幫助你繼續進步（特別是 d），但是有些能力需要自我訓練：你需要有足夠的英文作文能力，可以清楚、合乎邏輯地表達自己的想法，也需要足夠的抽象數學能力來看懂別人的經濟模型。前者的培養可以透過台大寫作教學中心(或外文系的英文作文二)，後者的培養則必須修習數學系課程。
5. The irony is: If you are good enough in English and math, you may be ready to pursue a PhD abroad. So, many people pursue a PhD at NTU simply because their English or math is not good enough to go abroad. As a result, there is a signal-jamming problem and many people deem NTU PhD as second tier. I personally disagree with this view, since not being good enough in English and math will eventually come back to haunt you if you do not improve (you will have a hard time doing high quality research). But you have to know the current separating equilibrium (that you need to break). Note that this is not unique to NTU PhD's; many people deem fresh US PhD's who find jobs back in their home country are inferior to those who find jobs in the US. 問題是：如果你已經具備這些英文、數學能力，那你大可出國留學。所以許多人決定在台大念博士是因為自認英文、數學不好，也因此人們總認為台大博士不如洋博。我個人不同意這種看法，因為「出來混，總是要還」：英文作文、抽象數學能力不夠好要做高品質研究會很吃力，不論在哪裡。但你必須知道目前的「分離均衡」為何，才能破除它。注意：類似的問題不限土博—人們也認為「回國找工作的洋博」不如「留在當地工作的洋博」。