

# 軟物質書報討論 - 10110PHYS596004

## Soft Matter Seminar – Spring, 2013

### 課程綱要：

The field of soft matter physics covers various interesting systems such as polymers, colloids, liquid crystals, gels, complex fluids, granular materials, and many bio-related systems (DNAs, proteins, membranes, ... etc). In this course, we invite interdisciplinary researchers to share their recent research progress and to shed a light on connections between physics and above-mentioned topics (but not limited to).

### 上課時間、教室：

This is an informal seminar held on every Tuesday noon from 12:10PM-1:50PM (提供午餐\*) at 綜三館四樓 4A 演講廳 or 物理館 620 教室. This course is suitable for undergraduate and graduate students at all levels, and it is a good introductory course for students interested in soft matter, biophysics/bio-materials, and complex systems.

### 評分標準：

Students will be evaluated based on three categories as explained below,

- Class attendance (70%). Please remember to sign in for each class, and this accounts for 70% of your grade.
- Class participation (20%). 20% of your grade is based on how many questions you ask during seminars. Please let the TA know how many questions you ask after each talk.
- Volunteer presentation (10% and Extra Credits). Although it is not mandatory, it is a good opportunity to practice your presentation skills and learn how to read through technical papers independently. Any subject related to soft matter/complex systems is welcomed. Team presentation is encouraged (up to 3 students per group).

助教 – 袁志瑋. Email: [toro78718@gmail.com](mailto:toro78718@gmail.com)

\*Free lunches are offered to participants every week under the sponsorship of National Center for Theoretical Sciences. Feel free to send any questions regarding this course to Professor Wu at [kuoan@phys.nthu.edu.tw](mailto:kuoan@phys.nthu.edu.tw)

For more information about the seminar, please visit the following link,

<https://docs.google.com/spreadsheet/ccc?key=0AhycgB1ej6f1dDIMNIh0YIFERE5LaXFGaGRXcS01VHc&usp=sharing>

The invited speakers for this semester include 施奇廷教授（東海物理系）、許世壁教授（清華數學系）、曾繁根教授（清華工科系）、蕭百沂教授（清華工科系）、張建文教授（清大生醫工程與環境科學系）、江宏仁教授（台大應力所）、記凱容教授（中興生物物理系）、薛雅薇教授（中央大學物理系）、陳彥龍教授（中研院物理所）、黃仲仁（台師大物理系）、李超煌教授（中研院應用科學研究中心/陽明大學生醫光電所），and more to be announced.