# Introduction to Nuclear Fusion
## (409.308A, 3 Credits)

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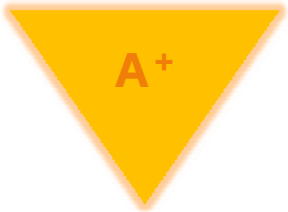
# Why EMC?

- **EMC**

- EMC is English Mediated Course.
- English mediates the process between instructional content and student learning.

# How to Succeed?

- Golden triangle




- Use NON-colloquial languages
  Speak slowly
  Don’t need to care about your pronunciation and accent

- Question in Korean

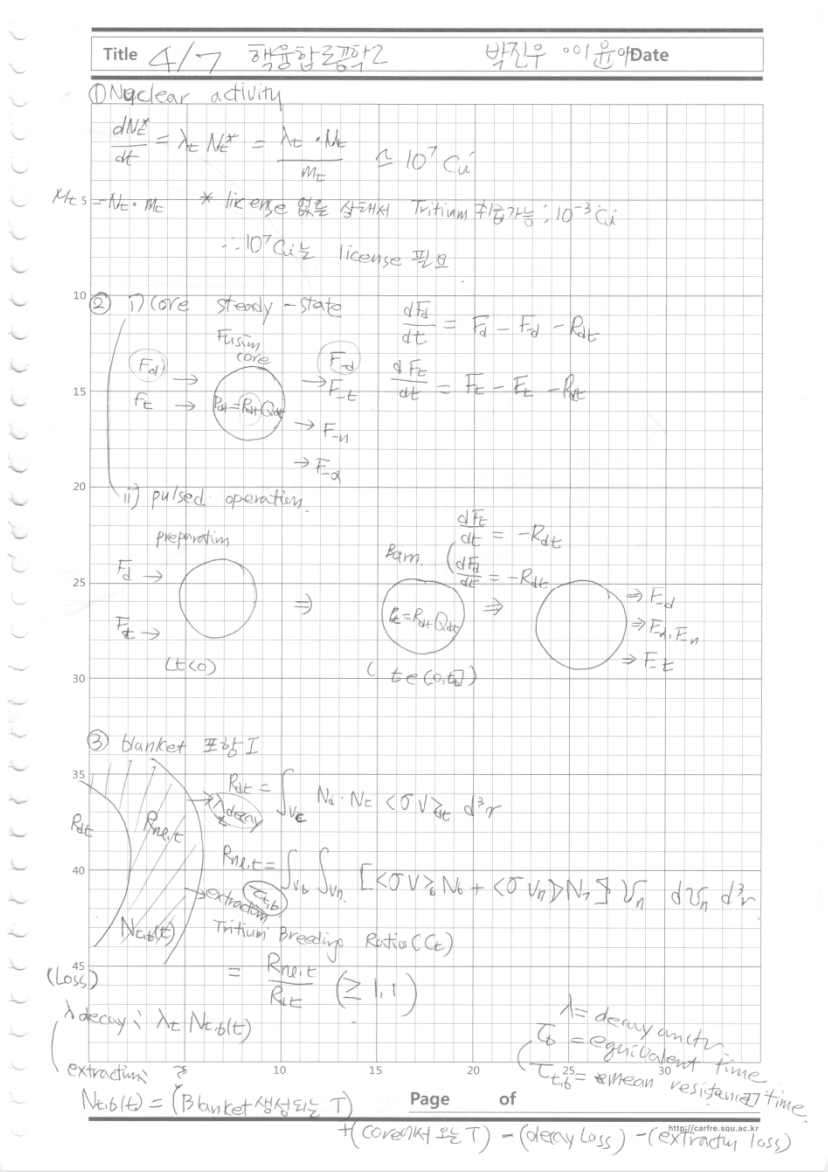
# How to Succeed?

- **Group / Pair work**

- **Phone number / e-mail address**

# How to Succeed?

- **One minute paper**



# Introduction

## Text and References:

- A.A. Harms, K.F. Schoepf, G.H. Miley, D.R. Kingdon, "Principles of Fusion Energy", World Scientific Publishing Co. Pte. Ltd. (2000)
- G. McCracken, P. Stott, "Fusion The Energy of the Universe", Elsevier Inc. (2005)

- F.F. Chen, "Introduction to Plasma Physics and Controlled Fusion, Volume 1: Plasma Physics", 2nd Edition, Springer (2006)
- J.A. Bittencourt, "Fundamentals of Plasma Physics", 3rd Edition, Springer (2004)
- B.B. Kadomtsev, "Tokamak Plasma: A Complex Physical System", Institute of Physics Publishing Bristol and Philadelphia (1992)
- R.A. Gross, "Fusion Energy", John-Wiley (1984)
- W.M. Stacey, Jr., "Fusion An Introduction to the Physics and Technology of Magnetic Confinement Fusion", John-Wiley (1984)
- J. Feidberg, "Plasma Physics and Fusion Energy", Cambridge (2007)

# Introduction

**Evaluation**

- Attendance: 10%
- Homework: 10%
- Midterm exam: 30%
- Final exam: 30%
- Project: 20%

**Project**: To be announced

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