SYLLABUS

| Course Number | and Title: M2794. | 008500 Cryogenic Eng | ineering (저온공학) | | | | | |
|--------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------|------------------------------|---------------------------------|---------------------------------|--|
| Credit | Provided by | | | | Professor | | T- | |
| Crean | | | Title | | Name | | e-mail | |
| 3 | · · | cal and Aerospace Eng. | | T | | ∕lin Soo | minskim@snu.ac.kr | |
| | Attach | ment (Korean) | | | Attach | ment (English) |) | |
| | 1 | | | | | | | |
| Prerequisite Course | | | | | | | | |
| Purpose of Course | design and analysi mechanics and hea | amine the basic theories s techniques based on cat transfer. Topics that wilverse examples of cryotems, etc. | our general understar | nding of the fund follows; the com | amental principonents of cry | ples of thermo ogenic syster | dynamics, fluid ns and their | |
| 2. Materials and | Cryogenic Systems | s, 2nd Ed, Randall F. Bar | ron, Oxford (1985) | | | | | |
| Reference | ory a game oyaram. | | | | | | | |
| 3. Evaluation Method | Attendance(%) | Task(%) | Fianl Exam.(%) | Random Evaluation(%) | Attitude(%) | Other(%) | Total(%) | |
| | 0% | 10% | 40% | 0% | 0% | 10% | 100% | |
| | Other Remarks : | | | | | | | |
| 4. Lecture Plan | (English) | [1 Week] Low temperature material properties [2 Week] Production of low temperatures [3 Week] Gas-liquefaction systems [4 Week] Components of liquefaction systems [5 Week] Properties of Mixtures [6 Week] Properties of Mixtures [7 Week] Mid-term examination [8 Week] | | | | | | |
| 5 .References to Course Registration | | | | | | | | |