

M2795.006200

Advanced Theory of Helicopter

1. Professor: SangJoon Shin (Building 301, Room #1418. ssjoon@snu.ac.kr)
2. Lecture Date: Tuesday 11:00 AM ~ 12:15PM, Thursday 11:00 AM ~ 12:15PM
3. Lecture Room: Building 301 Room #306
4. Office Hours: Tuesday 10:00 AM ~ 11:00 AM
5. Grade: Attendance (5%)
Test (Mid 25%, Final 35%)
Homework (35%)
6. Main Lecture Text: Lecture Note (Prof. I. Chopra, <http://rotary.snu.ac.kr>)
7. References
 - Lecture Note (Prof. P. Friedmann)
 - Bielawa, R. L., "Rotary Wing Structural Dynamics and Aeroelasticity," AIAA Education Series, 1992
 - Johnson, W., "Helicopter Theory," Princeton University Press, 1980
 - Bramwell, A. R. S., Done, G. T. S., and Balmford, D., "Helicopter Dynamics," Butterworth-Heinemann, 2001
 - Seddon, J. and Newman, S., "Basic Helicopter Aerodynamics," AIAA Education Series, 2001
 - Stepniewski, W. Z. and Keys, C. N., "Rotary Wing Aerodynamics," Dover Publications, 1984
 - Prouty, R. W., "Helicopter Performance, Stability, and Control," PWS Publications, 1986
 - Gessow, A. and Myers, Jr., G. C., "Aerodynamics of the Helicopter," College Park Press, 1985

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	3/6 Lecture 1		3/8 Lecture 2		
Week 2	3/13 Lecture 3		3/15 Lecture 4		
Week 3	3/20 Lecture 5		3/22 Lecture 6		
Week 5	3/27 Lecture 7		3/29 Lecture 8		
Week 6	4/3 <u>No Class</u>		4/5 Lecture 9		
Week 7	4/17 Lecture 10		4/19 <u>No Class</u>		
Week 8	4/24 Lecture 11		4/26 <u>Mid Exam</u>		
Week 9	5/1 Lecture 12		5/3 Lecture 13		
Week 10	5/8 Lecture 14		5/10 Lecture 15		
Week 11	5/15 Lecture 16		5/17 Lecture 17		
Week 12	5/22 <u>Holiday</u>		5/24 Lecture 18		
Week 13	5/29 Lecture 19		5/31 Lecture 20		
Week 14	6/5 Lecture 21		6/7 <u>No Class</u>		
Week 15	6/12 Lecture 22		6/14 <u>Final Exam</u>		