



강의교과목	일반대학원 DAA9080 - 01		
최초등록일	2010-08-19 11:48:50	최종수정일	2010-08-19 14:36:45
교과목명	화공기술논문작성	학 점	3
강 의 실	공 A343	강의시간	수 2,3,4

교 수 명	케퍼데이빗조셉	소 속	공과대학 화공생명공학과
연 구 실	174B YERC	연락처	2123-5748
Email 및 면담시간	dkeffer@utk.edu		

수강대상	Chemical Engineering PhD candidates
수업목표 및 개요	This course is a project based course in which the goal is to produce a manuscript describing work done as part of the PhD dissertation, which is ready to be submitted to an archival, refereed scientific journal. The course is divided into two parts: reading and writing. In the first part, each student identifies a target journal for their work. Each student will select and carefully examine a recent article from that journal, presenting in class the perceived strengths and weaknesses of that paper. In the second part of the course, each student will write a manuscript on their research for submission to the same journal that they have been studying. Through an iterative process involving the instructor and the research advisor, the final project of the course is a manuscript that is ready to be submitted to the journal.
선수과목 (선수학습)	N/A
강좌운영방식	Instructor lectures; individual reading of articles from the literature; individual preparation of a manuscript; peer review of manuscripts
성적평가방법	Attendance: 10% Assignments: 50% Presentation: 20% Final manuscript: 20%
교재 및 참고문헌	Instructor Lecture Notes Each student will select a published paper from the literature for individual study.
교수정보	David J. Keffer 2123-5748
조교정보	N/A
(영문) 수업계획서 Syllabus in English	This course is a project based course in which the goal is to produce a manuscript describing work done as part of the PhD dissertation, which is ready to be submitted to an archival, refereed scientific journal. The course is divided into two parts: reading and writing. In the first part, each student identifies a target journal for their work. Each student will select and carefully examine a recent article from that journal, presenting in class the perceived strengths and weaknesses of that paper. In the second part of the course, each student will write a manuscript on their research for submission to the same journal that they have been studying. Through an iterative process involving the instructor and the research advisor, the final project of the course is a manuscript that is ready to be submitted to the journal.

주	기간	수업내용	교재범위 및 과제 등	비고
1	2010-09-01 - 2010-09-07	Selection of an Appropriate Journal; Getting Familiar with the Journal	Select an article for study; Read article	(9.1)개강 (9.3 - 9.7) 수강신청 확인 및 변경
2	2010-09-08 - 2010-09-14	The Process of Writing a Technical Paper	Identify purpose/key points of the study article; identify the purpose/key points for your own article; Review a peer's purpose/key points	
3	2010-09-15 - 2010-09-21	Organization of Technical Papers	Write an outline of the study article; Write an outline for your own article; Review a peer's outline	
4	2010-09-22 - 2010-09-28	The Anatomy of the Paragraph	Dissect paragraphs from the study article; write and review sample paragraphs following this formula	(9.21-23)추석연휴
5	2010-09-29 - 2010-10-05	Figures and Tables; identifying key information that should be presented as figures and tables; formatting figures and tables	Dissect the figures/tables of the study article; generate the figures/tables of their own article; review a peer's figures/tables	(10.27-10.29) 수강 철회기간 & (10.3) 개천절
6	2010-10-06 - 2010-10-12	Literature Searches; The purpose and procedure for a comprehensive literature search	Dissect the choice of references of the study article; identify references for their own article; review a peer's choice of references	(10.7) 학기 1/3 선
7	2010-10-13 - 2010-10-19	Equations and References	Dissect the equations/references of the study article; learn equation/referencing software	
8	2010-10-20 - 2010-10-26	Midterm exam period		(10.20 - 10.26) 중간 시험
9	2010-10-27 - 2010-11-02	Introduction; How much background and motivation is enough?	Dissect the introduction of the study article; write	

주	기간	수업내용	교재범위 및 과제 등	비고
			the introduction of their own article; review a peer's introduction	
10	2010-11-03 - 2010-11-09	Method; How much detail is enough?	Dissect the methods section of the study article; write the methods section of their own article; review a peer's method section	
11	2010-11-10 - 2010-11-16	Results and Discussion	Dissect the results section of the study article; write the results section of their own article; review a peer's results section	(11.15) 학기 2/3 선
12	2010-11-17 - 2010-11-23	Conclusions and Abstract	Dissect the conclusions & abstract of the study article; write the conclusions & abstract of their own article; review a peer's conclusions & abstract	
13	2010-11-24 - 2010-11-30	The Review Process; Writing for a Smooth Review; Revising Manuscripts	Write a review of a peer's manuscript; Respond to the review	
14	2010-12-01 - 2010-12-07	Extracting a short oral presentation from a technical paper I	Put together a ten minute talk based on the manuscript and present it	
15	2010-12-08 - 2010-12-14	Extracting a short oral presentation from a technical paper II	Put together a ten minute talk based on the manuscript and present it	
16	2010-12-15 - 2010-12-21	Final exam		(12.15 - 12.21) 기말 시험