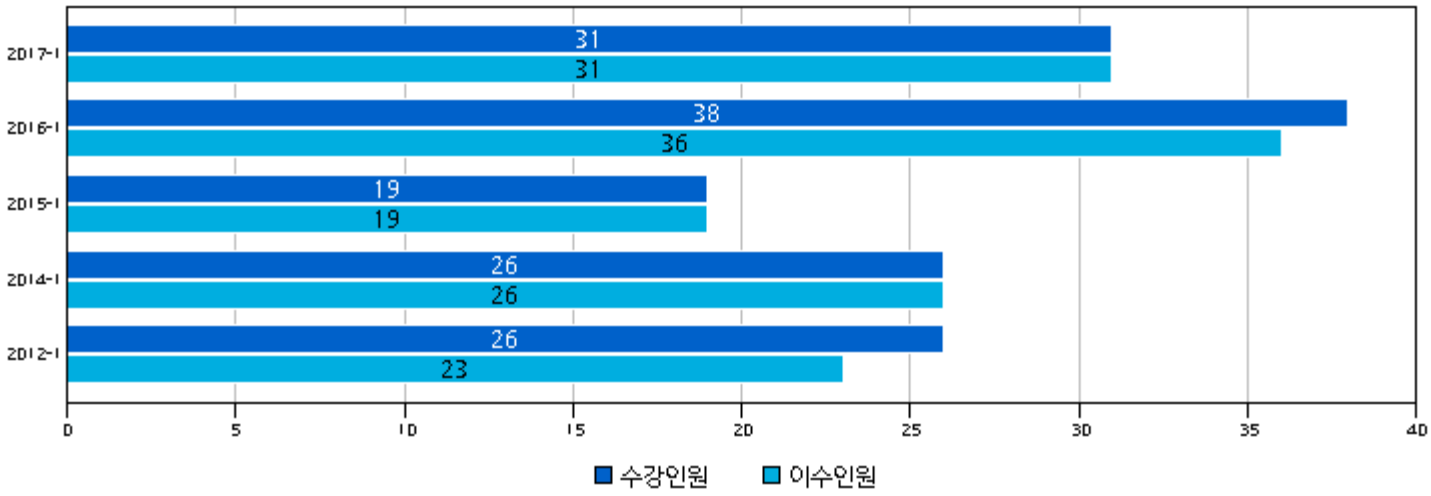
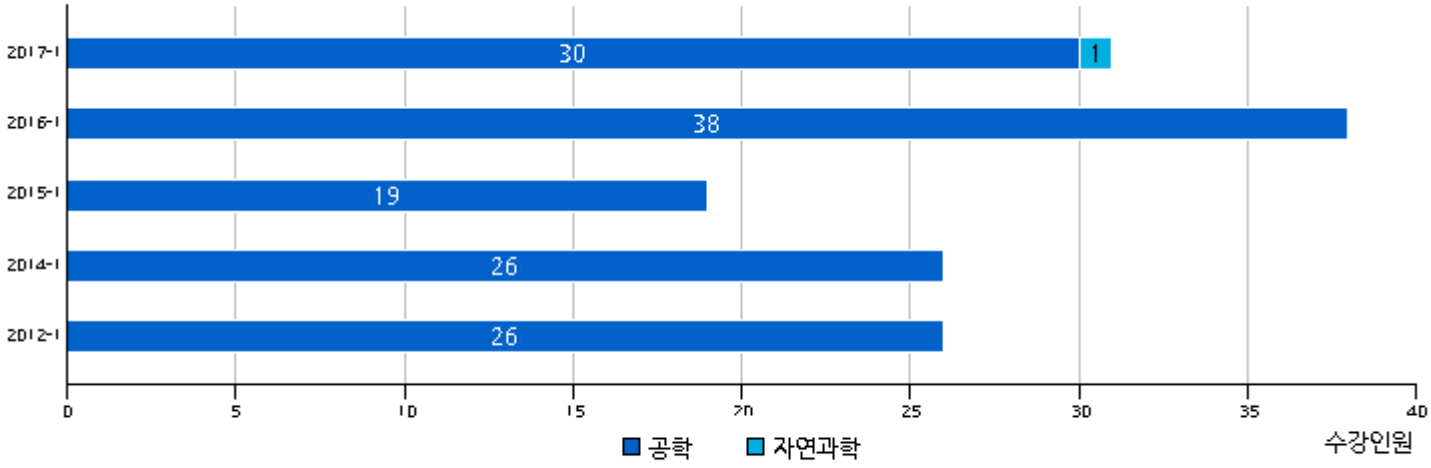
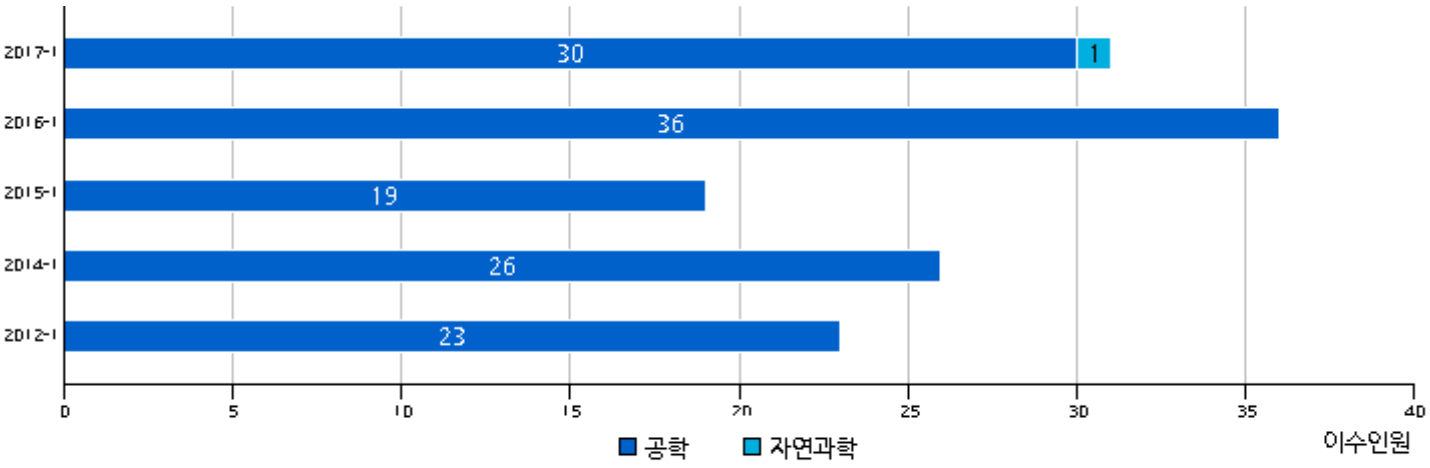
교과목 포트폴리오 (MAE4059 생체모방재료)

1. 교과목 수강인원





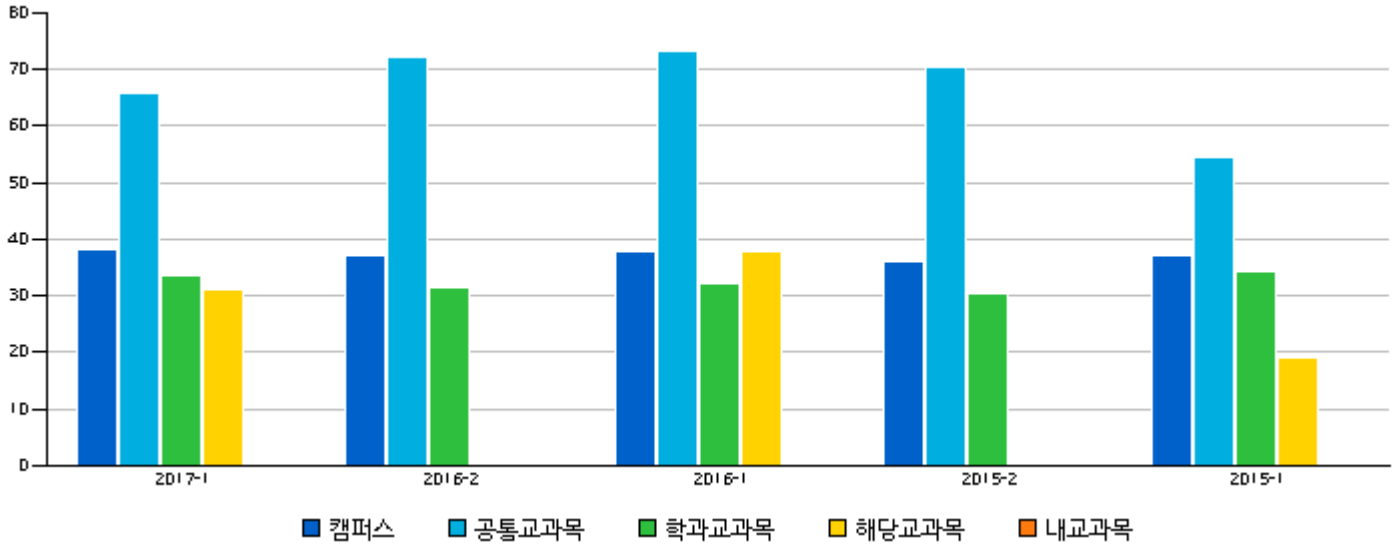


교과목 포트폴리오 (MAE4059 생체모방재료)

수업년도	수업학기	계열구분	수강인원	이수인원
2012	1	공학	26	23
2014	1	공학	26	26
2015	1	공학	19	19
2016	1	공학	38	36
2017	1	자연과학	1	1
2017	1	공학	30	30

교과목 포트폴리오 (MAE4059 생체모방재료)

2. 평균 수강인원



수업년도	수업학기	캠퍼스	공통교과목	학과교과목	해당교과목	내교과목
2017	1	38.26	65.82	33.5	31	
2016	2	37.24	72.07	31.53		
2016	1	37.88	73.25	32.17	38	
2015	2	36.28	70.35	30.36		
2015	1	37.21	54.62	34.32	19	

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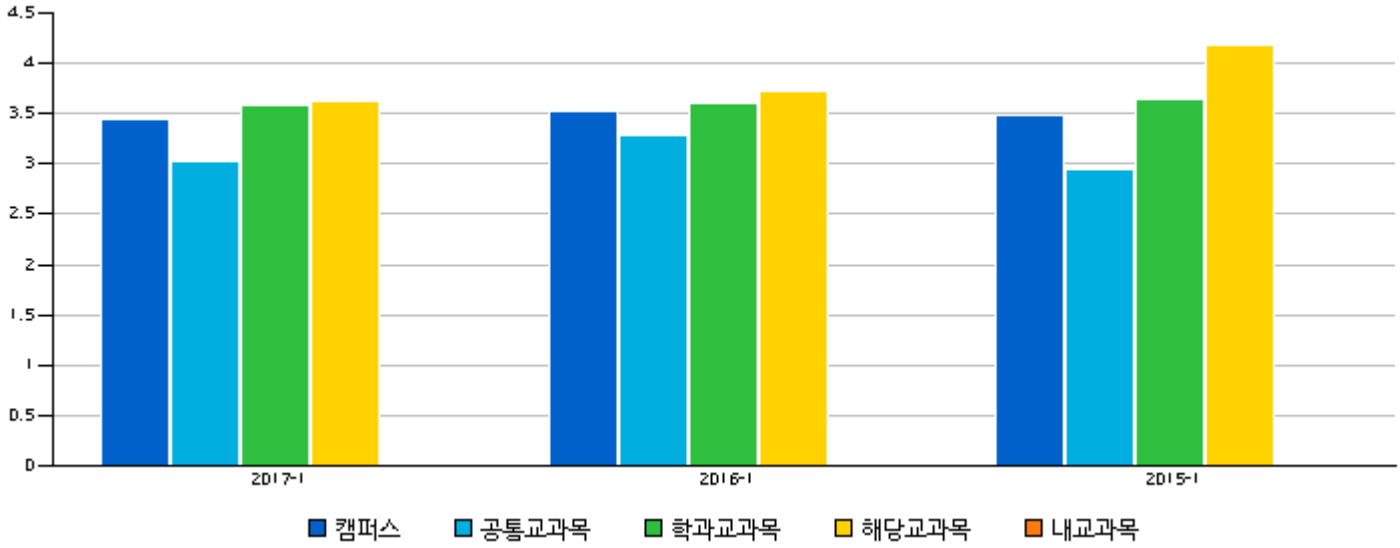
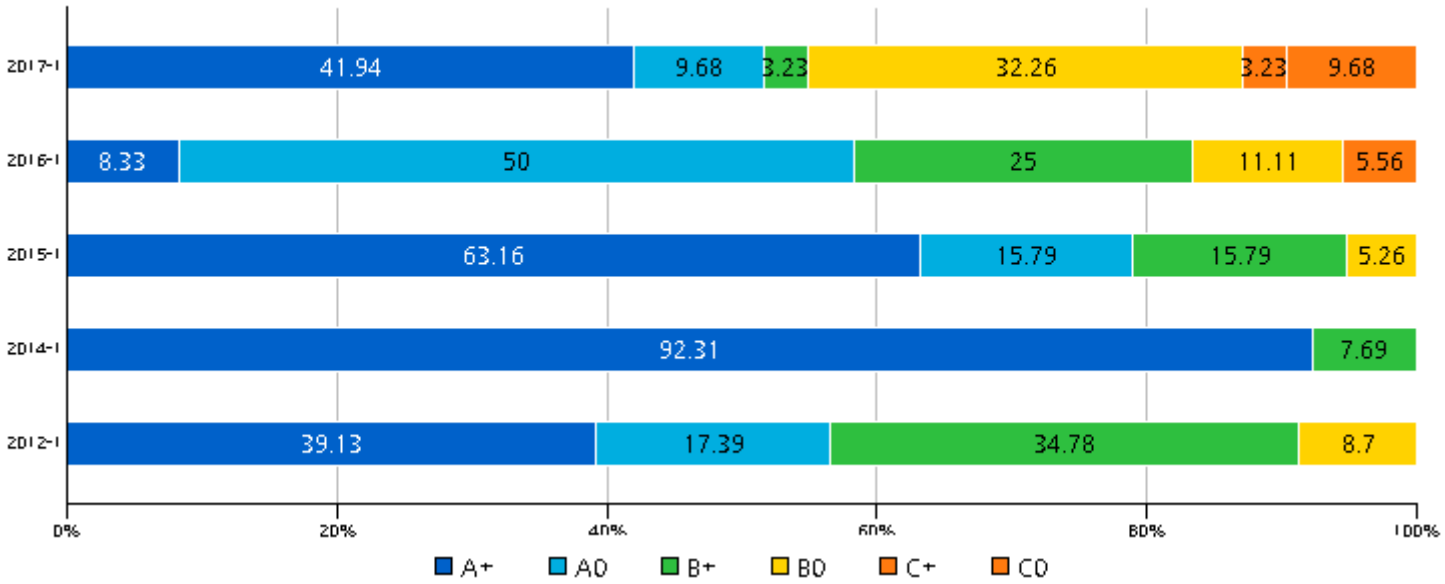
3. 성적부여현황(평점)



수업년도	수업학기	캠퍼스	공통교과목	학과교과목	해당교과목	내교과목
2017	1	3.44	3.02	3.58	3.63	
2016	1	3.52	3.29	3.61	3.72	
2015	1	3.49	2.94	3.64	4.18	

교과목 포트폴리오 (MAE4059 생체모방재료)

4. 성적부여현황(등급)

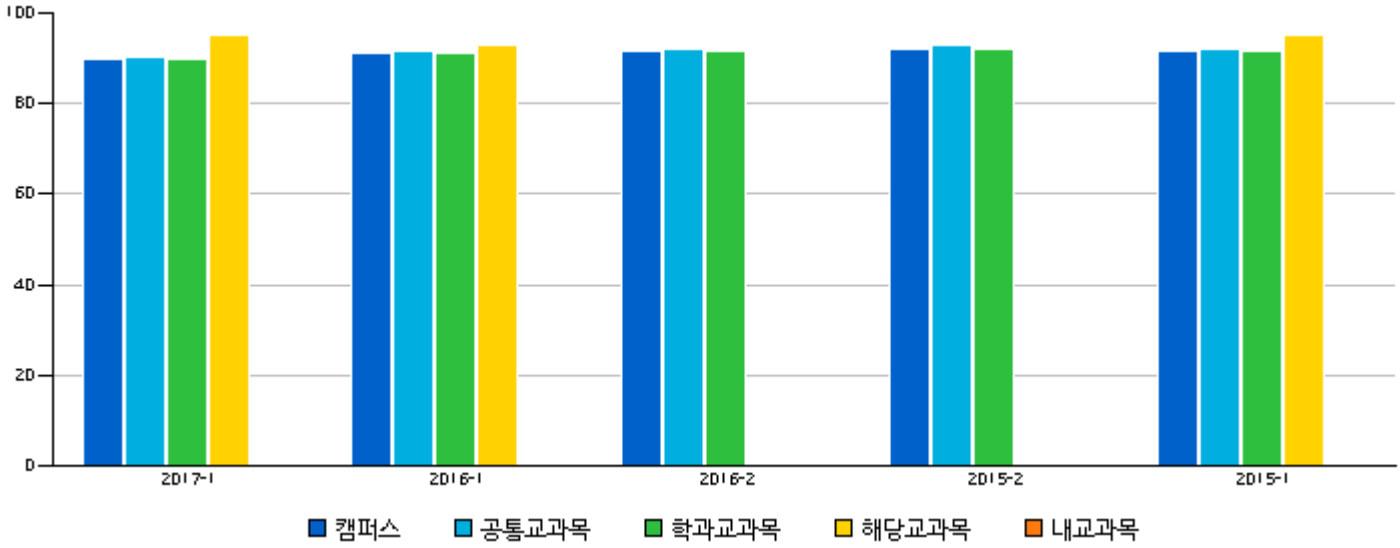


수업년도	수업학기	등급	인원	비율
2012	1	A+	9	39.13
2012	1	A0	4	17.39
2012	1	B+	8	34.78
2012	1	B0	2	8.7
2014	1	A+	24	92.31
2014	1	B+	2	7.69
2015	1	A+	12	63.16
2015	1	A0	3	15.79
2015	1	B+	3	15.79
2015	1	B0	1	5.26
2016	1	A+	3	8.33
2016	1	A0	18	50
2016	1	B+	9	25
2016	1	B0	4	11.11
2016	1	C+	2	5.56
2017	1	A+	13	41.94
2017	1	A0	3	9.68
2017	1	B+	1	3.23
2017	1	B0	10	32.26
2017	1	C+	1	3.23

수업년도	수업학기	등급	인원	비율
2017	1	C0	3	9.68

교과목 포트폴리오 (MAE4059 생체모방재료)

5. 강의평가점수



수업년도	수업학기	캠퍼스	공통교과목	학과교과목	해당교과목	내교과목
2017	1	89.91	90.14	89.87	95	
2016	1	91.26	91.81	91.18	93	
2016	2	91.55	91.97	91.49		
2015	2	92.25	92.77	92.19		
2015	1	91.64	92.23	91.56	95	

교과목 포트폴리오 (MAE4059 생체모방재료)

6. 강의평가 문항별 현황

번호	평가문항	본인평균 (가중치적용)	소속학과,대학평균과의 차이 (+초과,-:미달)				점수별 인원분포				
							매우 그렇치않다	그렇치않다	보통이다	그렇다	매우 그렇다
	교강사:	5점 미만	학과		대학		1점	2점	3점	4점	5점
			차이	평균	차이	평균					
No data have been found.											

7. 개설학과 현황

학과	2017/1	2016/1	2015/1	2014/1	2012/1
신소재공학부	1강좌(3학점)	1강좌(3학점)	1강좌(3학점)	1강좌(3학점)	1강좌(3학점)

8. 강좌유형별 현황

강좌유형	2012/1	2014/1	2015/1	2016/1	2017/1
일반	1강좌(26)	1강좌(26)	1강좌(19)	1강좌(38)	1강좌(31)

9. 교과목개요

교육과정	관장학과	국문개요	영문개요	수업목표
학부 2013 - 2015 교육과정	서울 공과대학 신소재공학부	생체모방재료는 현대재료과학 분야중 하나 입니다.이 강의에서 자연의 디자인 방법과 함께 그 방법을 우리가 어려움을 겪는 기술에 적용할 수 있는 방법에 대하여 공부합니다. 우리는 인간의 소재와 기술이 어떻게 자연을 모사함으로써 더 나아질 수 있는지 배우게 됩니다. 생체모방재료는 거미줄을 응용한 ultra-strong fibers과 셀 내 이동을 응용한 모터 등 우리에게 여러가지 기발한 공학적 해결책을 제안하였습니다. 생체모방재료를 공부함으로서 자연의 디자인 방법과 영감을 인류기술에 적용할 수 있는 방법을 배우며, 이 강좌를 통하여 어떻게 핵심적인 디자인 부분을 알수 있는지 배우며 이 핵심을 인류의 기술 및 재료에 적용하는 방법을 배우게 됩니다.	Biomimetics is the study of nature's design solutions and its inspiration for human technology, and biomimetic materials is one of the modern materials science and technology. In this course, the key objectives will be to examine nature's design solution and to get inspirations that can be applied for human technology. Also, the course will discuss on how the man-made materials and technology benefits both the nature and the humans, simultaneously. Biological organisms have achieved many remarkable solutions to engineering challenges in nature, ranging from ultra-strong fibers in spider webs to cell transport by molecular motors. Therefore, in this course, the study focus will be on identifying key design elements in the natural world and ways to replicate	

교과목 포트폴리오 (MAE4059 생체모방재료)

교육과정	관장학과	국문개요	영문개요	수업목표
			them in man-made materials and technologies.	
학부 2009 - 2012 교육과정	서울 공과대학 신소재공학부	Biomimetic Materials is one of the modern materials science and technology. In this class we will learn about how nature's design solution and get inspiration for human technology which we struggle. We will then show how the man-made materials and technology can change better for not only nature but also human itself. Biological organisms have achieved many remarkable solutions to engineering challenges in nature ranging from ultra-strong fibers in spider webs to cell transport by molecular motors. Biomimetics is the study of nature's design solutions as inspiration for human technology. This course will focus on how to identify key design elements in the natural world and ways to replicate them in man-made materials and technologies.	Biomimetic Materials is one of the modern materials science and technology. In this class we will learn about how nature's design solution and get inspiration for human technology which we struggle. We will then show how the man-made materials and technology can change better for not only nature but also human itself. Biological organisms have achieved many remarkable solutions to engineering challenges in nature ranging from ultra-strong fibers in spider webs to cell transport by molecular motors. Biomimetics is the study of nature's design solutions as inspiration for human technology. This course will focus on how to identify key design elements in the natural world and ways to replicate them in man-made materials and technologies.	
학부 2005 - 2008 교육과정	서울 공과대학 신소재공학부	Biomimetic Materials is one of the modern materials science and technology. In this class we will learn about how nature's design solution and get inspiration for human technology which we struggle. We will then show how the man-made materials and technology can change better for not only nature but also human itself. Biological organisms have achieved many remarkable solutions to engineering challenges in nature ranging from ultra-strong fibers in spider webs to cell transport by molecular motors. Biomimetics is the study of nature's design solutions as inspiration for human technology. This course will focus on how to identify key design elements in the natural world and ways to replicate them in man-made materials and technologies.	Biomimetic Materials is one of the modern materials science and technology. In this class we will learn about how nature's design solution and get inspiration for human technology which we struggle. We will then show how the man-made materials and technology can change better for not only nature but also human itself. Biological organisms have achieved many remarkable solutions to engineering challenges in nature ranging from ultra-strong fibers in spider webs to cell transport by molecular motors. Biomimetics is the study of nature's design solutions as inspiration for human technology. This course will focus on how to identify key design elements in the natural world and ways to replicate them in man-made materials and technologies.	

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10. CQI 등록내역

No data have been found.