



Las Positas College

Discipline Program Review Data Packet

Spring 2017 to Spring 2021

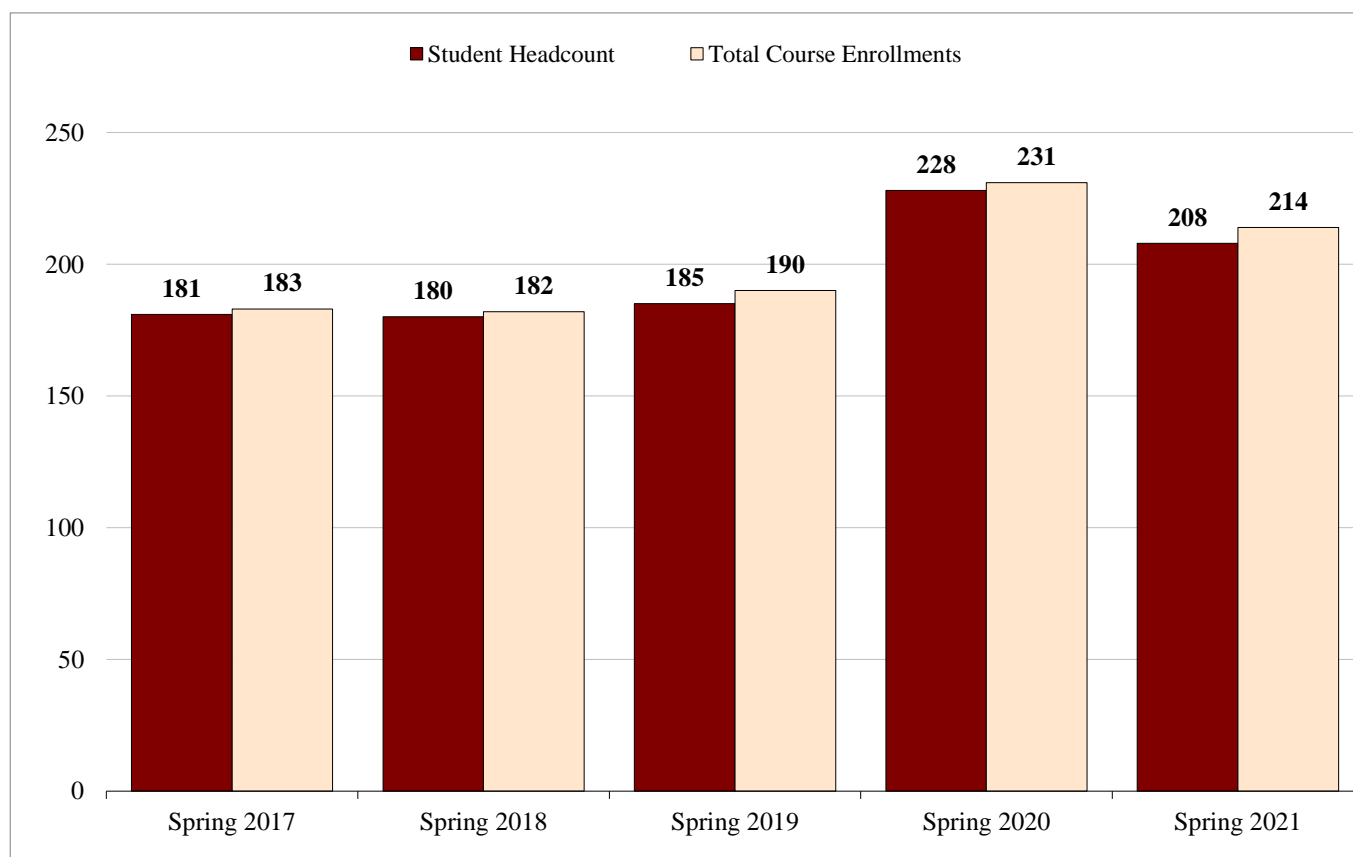
Discipline:

Physics (PHYS)

<u>TABLE OF CONTENTS</u>	<u>PAGE</u>
Headcount & Enrollment	1
Student Demographics: Gender & Age	2
Student Demographics: Race-Ethnicity	3
Student Enrollment Status	4
Student Unit Load	5
Students Using Distance Education	6
Student Educational Goal	7
Highest Educational Level of Students	8
Student Performance: Grade Distribution	9
Student Performance: Distance Education	10
Enrollment Management Data	11-12
Prior Experience in English & Math	13

Headcount & Enrollment

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Student Headcount	181	180	185	228	208
Total Course Enrollments	183	182	190	231	214



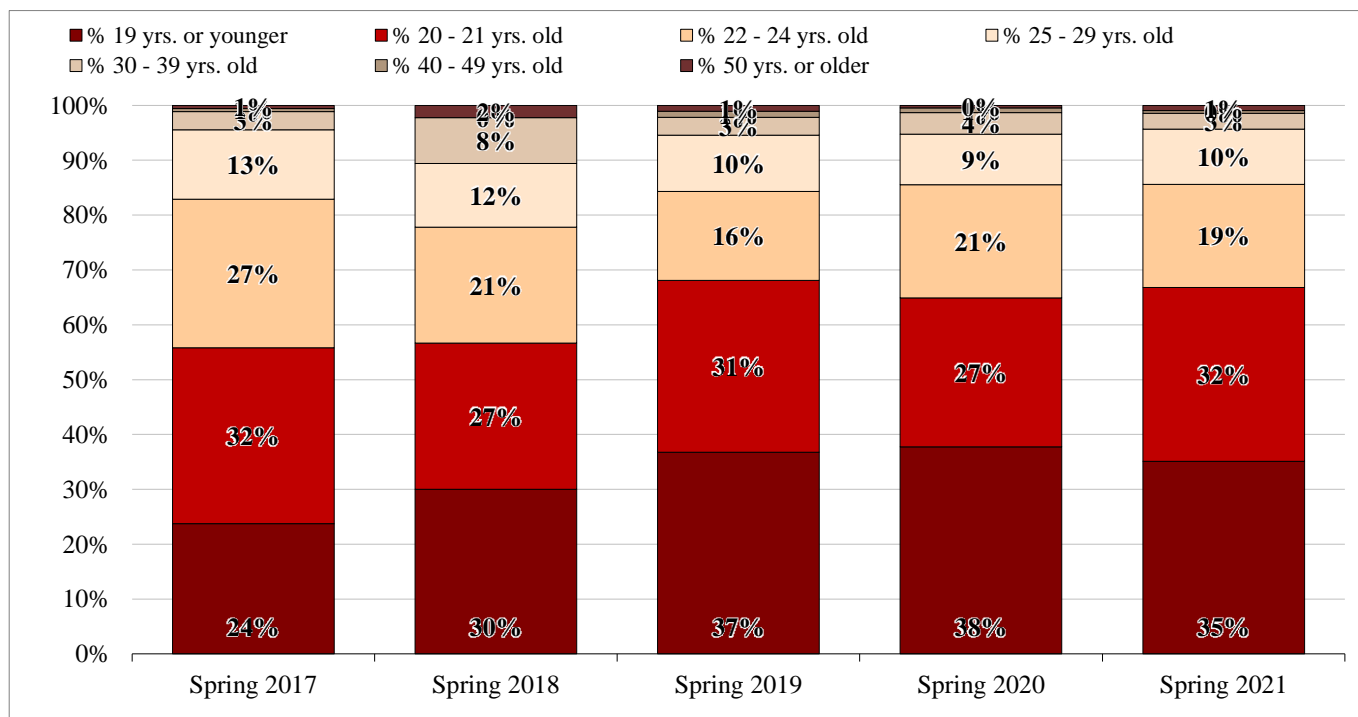
Definitions:

Student Headcount is the unduplicated count of students enrolled in all courses within the discipline.

Total Course Enrollments is the sum of all course enrollments (filled seats) within the discipline.

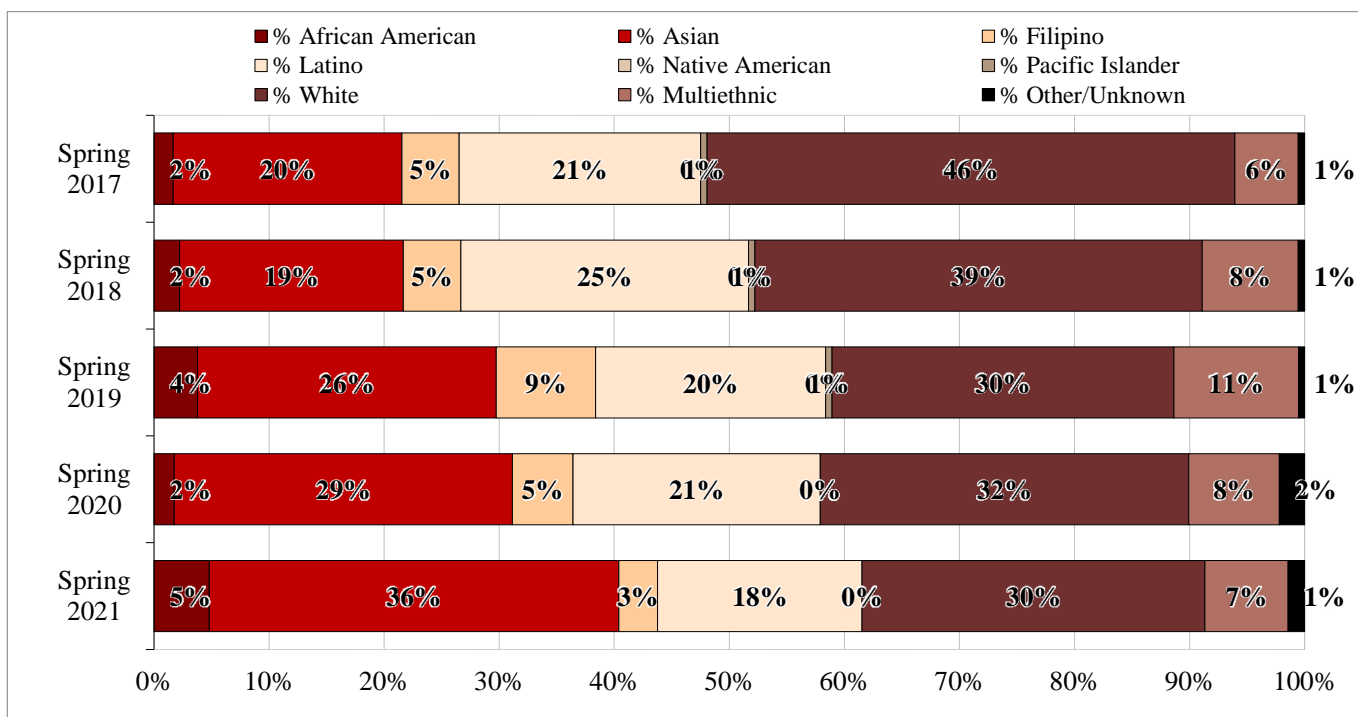
Student Demographics: Gender & Age

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Female	60	51	43	59	58
Male	120	127	139	164	144
19 yrs. or younger	43	54	68	86	73
20-21 yrs. old	58	48	58	62	66
22-24 yrs. old	49	38	30	47	39
25-29 yrs. old	23	21	19	21	21
30-39 yrs. old	6	15	6	9	6
40-49 yrs. old	1	0	2	2	1
50 yrs. or older	1	4	2	1	2
% Female	33%	29%	24%	26%	29%
% Male	67%	71%	76%	74%	71%
% 19 yrs. or younger	24%	30%	37%	38%	35%
% 20 - 21 yrs. old	32%	27%	31%	27%	32%
% 22 - 24 yrs. old	27%	21%	16%	21%	19%
% 25 - 29 yrs. old	13%	12%	10%	9%	10%
% 30 - 39 yrs. old	3%	8%	3%	4%	3%
% 40 - 49 yrs. old	1%	0%	1%	1%	<1%
% 50 yrs. or older	1%	2%	1%	<1%	1%



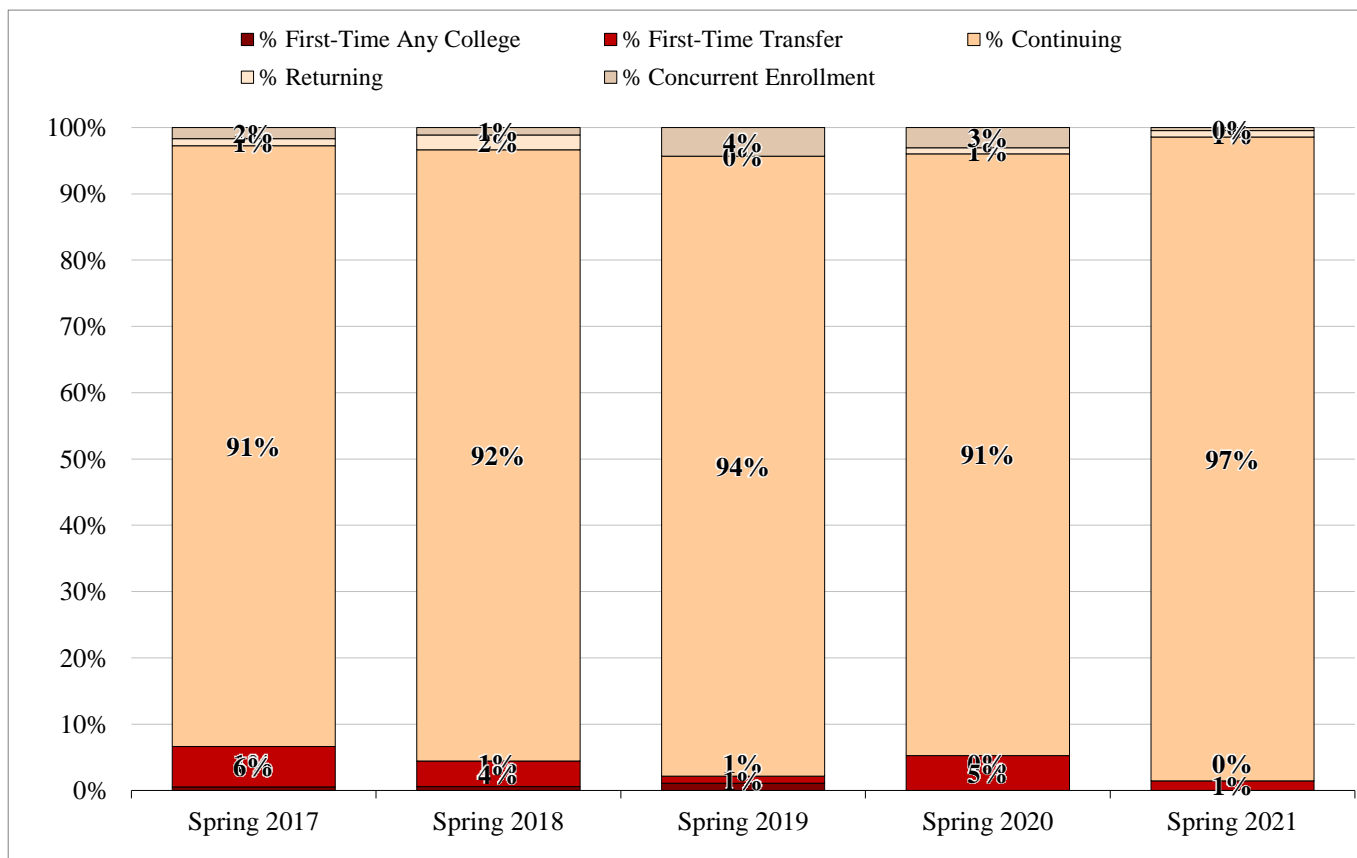
Student Demographic: Race-Ethnicity

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
African American	3	4	7	4	10
Asian	36	35	48	67	74
Filipino	9	9	16	12	7
Latino	38	45	37	49	37
Native American	0	0	0	0	0
Pacific Islander	1	1	1	0	0
White	83	70	55	73	62
Multiethnic	10	15	20	18	15
Other/Unknown	1	1	1	5	3
% African American	2%	2%	4%	2%	5%
% Asian	20%	19%	26%	29%	36%
% Filipino	5%	5%	9%	5%	3%
% Latino	21%	25%	20%	21%	18%
% Native American	0%	0%	0%	0%	0%
% Pacific Islander	1%	1%	1%	0%	0%
% White	46%	39%	30%	32%	30%
% Multiethnic	6%	8%	11%	8%	7%
% Other/Unknown	1%	1%	1%	2%	1%



Student Enrollment Status

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
First-Time Any College	1	1	2	0	0
First-Time Transfer	11	7	2	12	3
Continuing	164	166	173	207	202
Returning	2	4	0	2	2
Concurrent Enrollment	3	2	8	7	1
% First-Time Any College	1%	1%	1%	0%	0%
% First-Time Transfer	6%	4%	1%	5%	1%
% Continuing	91%	92%	94%	91%	97%
% Returning	1%	2%	0%	1%	1%
% Concurrent Enrollment	2%	1%	4%	3%	<1%



Definitions:

First-Time Any College: Students enrolled in college for the first time.

First-Time Transfer: Students transferring to LPC in the current semester from another community college or university.

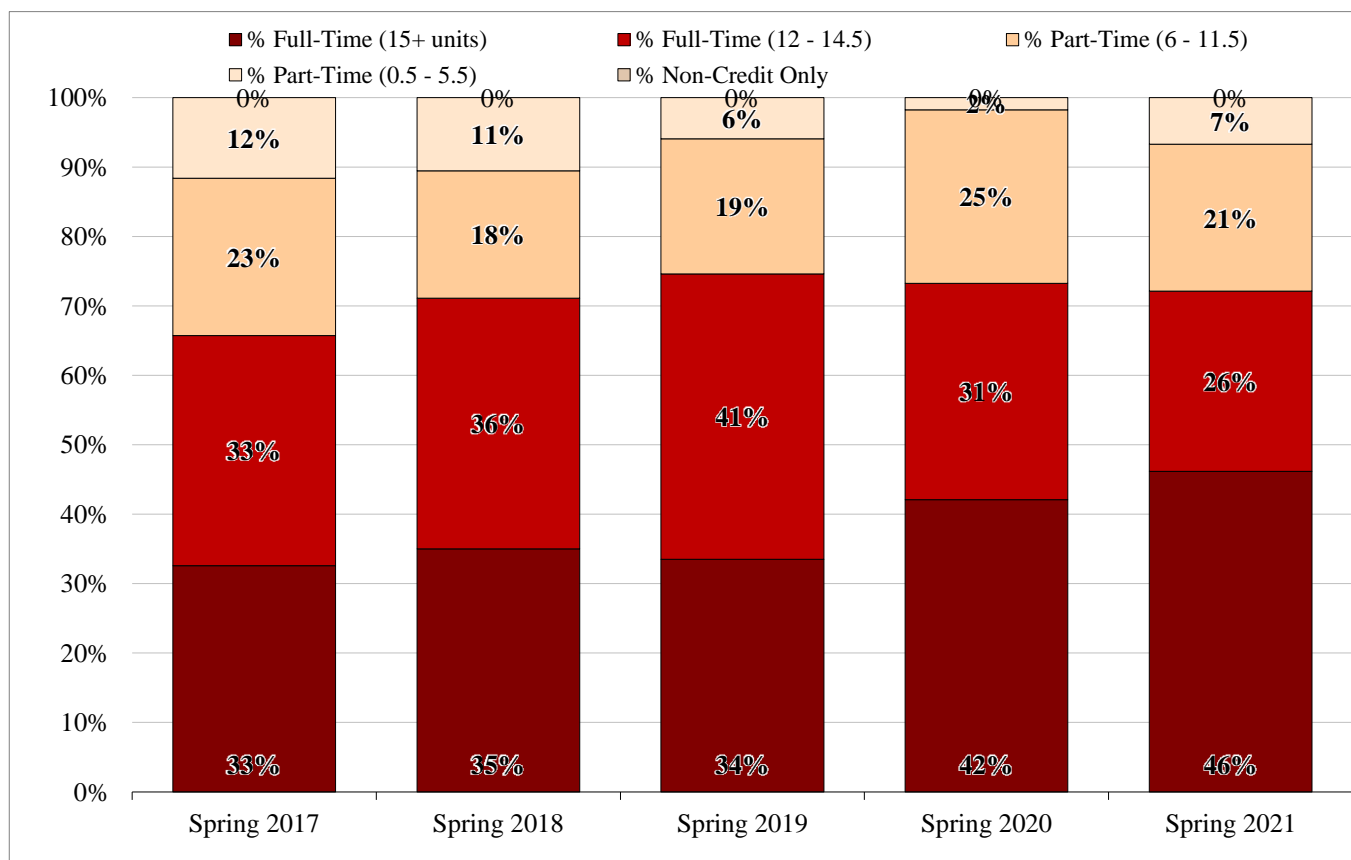
Continuing: Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

Returning: Students enrolled at LPC after an absence of one or more primary terms from the District.

Concurrent Enrollment: A special admit student currently enrolled in K-12.

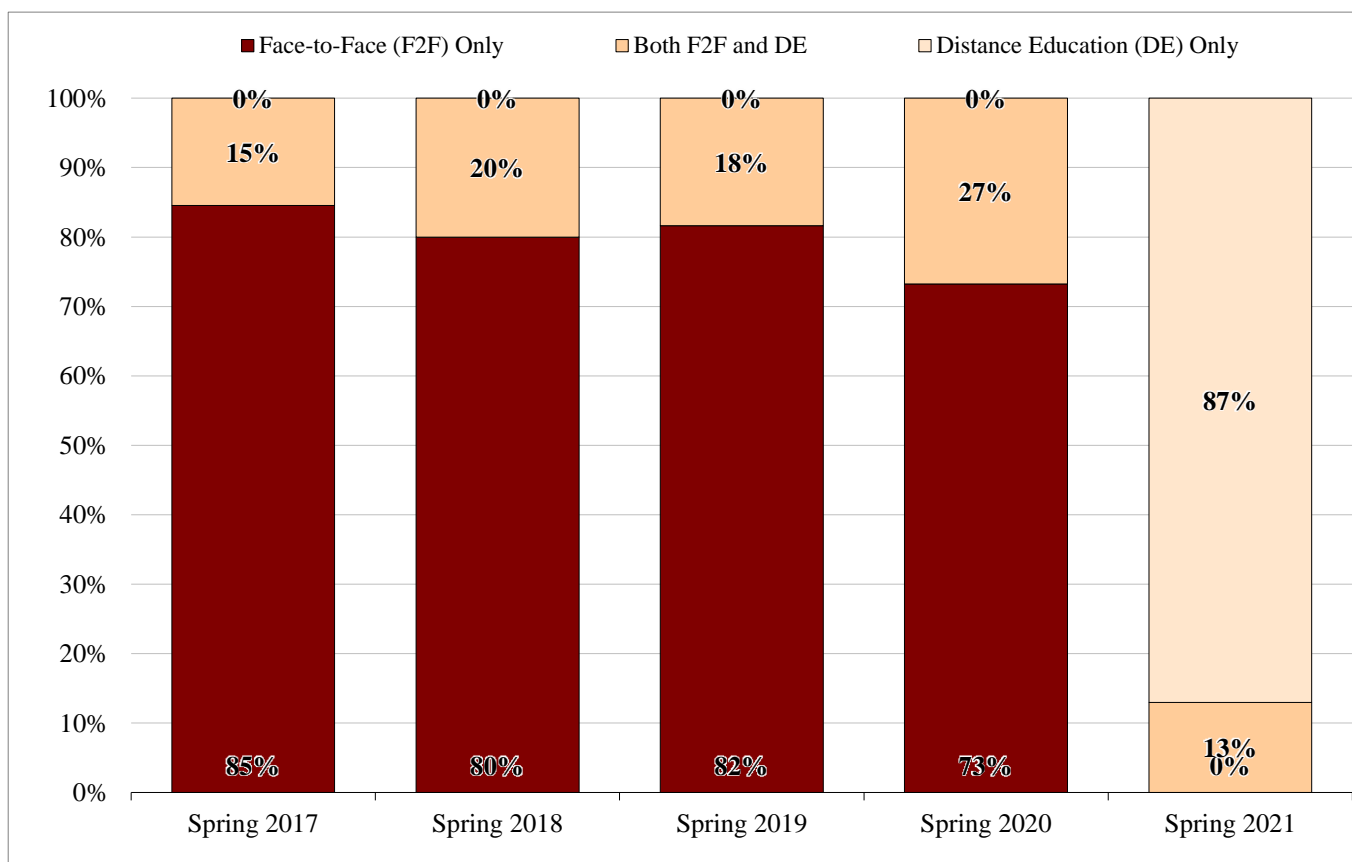
Student Unit Load

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Full-Time (15+ units)	59	63	62	96	96
Full-Time (12 - 14.5)	60	65	76	71	54
Part-Time (6 - 11.5)	41	33	36	57	44
Part-Time (0.5 - 5.5)	21	19	11	4	14
Non-Credit Only	0	0	0	0	0
% Full-Time (15+ units)	33%	35%	34%	42%	46%
% Full-Time (12 - 14.5)	33%	36%	41%	31%	26%
% Part-Time (6 - 11.5)	23%	18%	19%	25%	21%
% Part-Time (0.5 - 5.5)	12%	11%	6%	2%	7%
% Non-Credit Only	0%	0%	0%	0%	0%



Students Using Distance Education

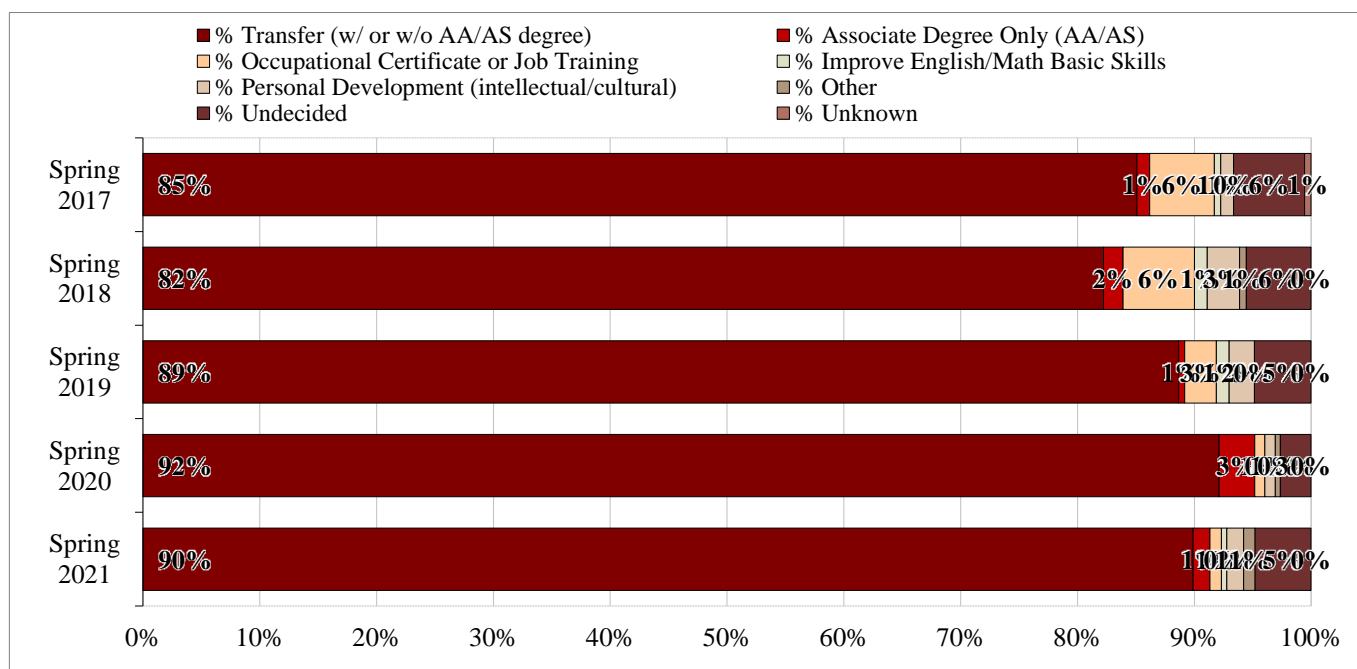
Physics (PHYS)					
(Categories reflect college-wide coursework)	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Face-to-Face (F2F) Only	153	144	151	167	0
Both F2F and DE	28	36	34	61	27
Distance Education (DE) Only	0	0	0	0	181
% Face-to-Face (F2F) Only	85%	80%	82%	73%	0%
% Both F2F and DE	15%	20%	18%	27%	13%
% Distance Education (DE) Only	0%	0%	0%	0%	87%



Distance Education (DE) includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'. In 2020-21, due to the COVID-19 pandemic, DE sections were distinguished through provisional designations.

Student Educational Goal

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Transfer (w/ or w/o AA/AS degree)	154	148	164	210	187
Associate Degree Only (AA/AS)	2	3	1	7	3
Occupational Certificate or Job Training	10	11	5	2	2
Improve English/Math Basic Skills	1	2	2	0	1
Personal Development (intellectual/cultural)	2	5	4	2	3
Other	0	1	0	1	2
Undecided	11	10	9	6	10
Unknown	1	0	0	0	0
% Transfer (w/ or w/o AA/AS degree)	85%	82%	89%	92%	90%
% Associate Degree Only (AA/AS)	1%	2%	1%	3%	1%
% Occupational Certificate or Job Training	6%	6%	3%	1%	1%
% Improve English/Math Basic Skills	1%	1%	1%	0%	<1%
% Personal Development (intellectual/cultural)	1%	3%	2%	1%	1%
% Other	0%	1%	0%	<1%	1%
% Undecided	6%	6%	5%	3%	5%
% Unknown	1%	0%	0%	0%	0%



Definitions:

Transfer: Students who want to transfer to a 4-year university. Includes students enrolled in 4-year institutions completing requirements at LPC.

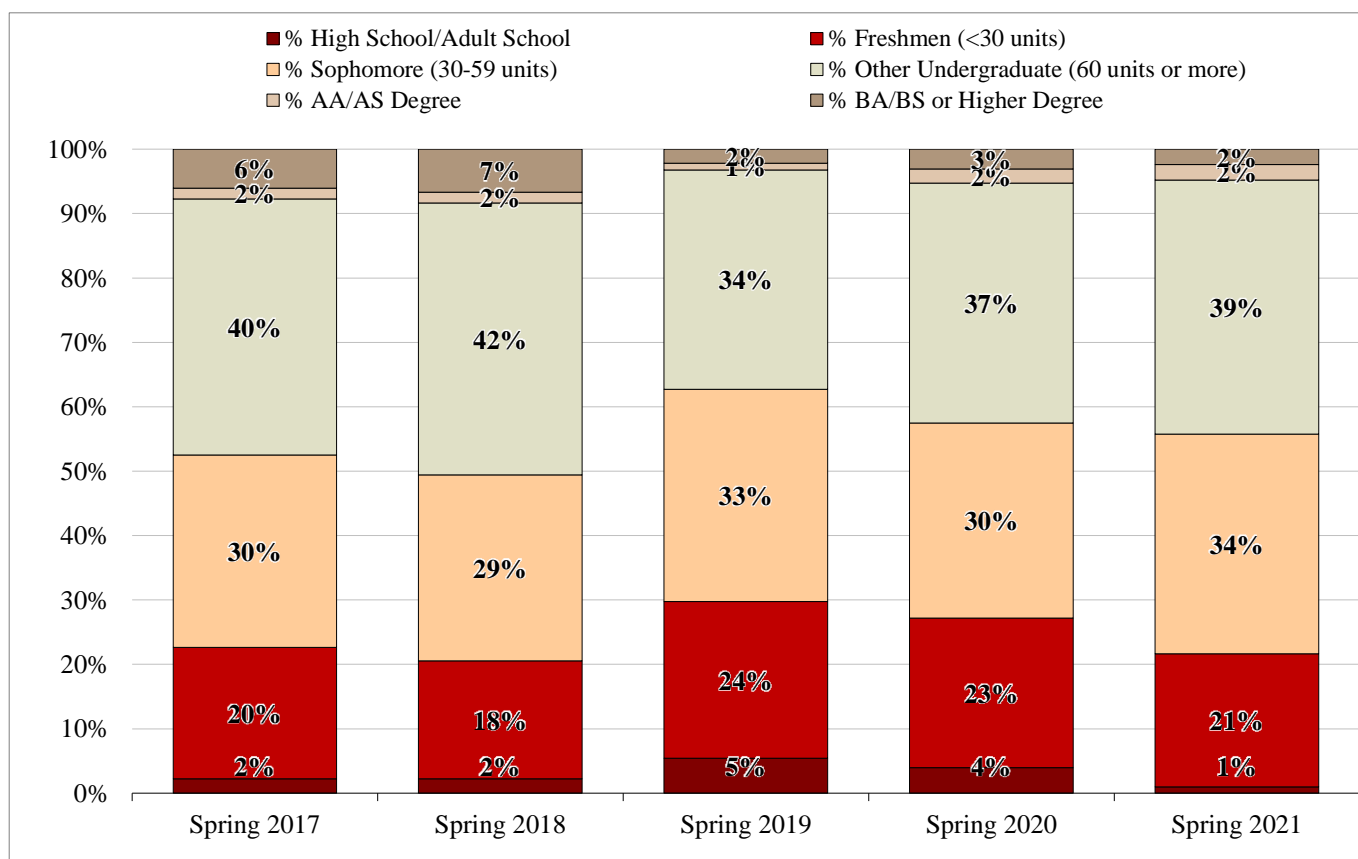
Occupational Certificate/Job Training: Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

Personal Development: Students taking courses for intellectual and/or cultural development.

Other: Students completing diploma/GED requirements or moving from non-credit to credit courses. Data from admission application.

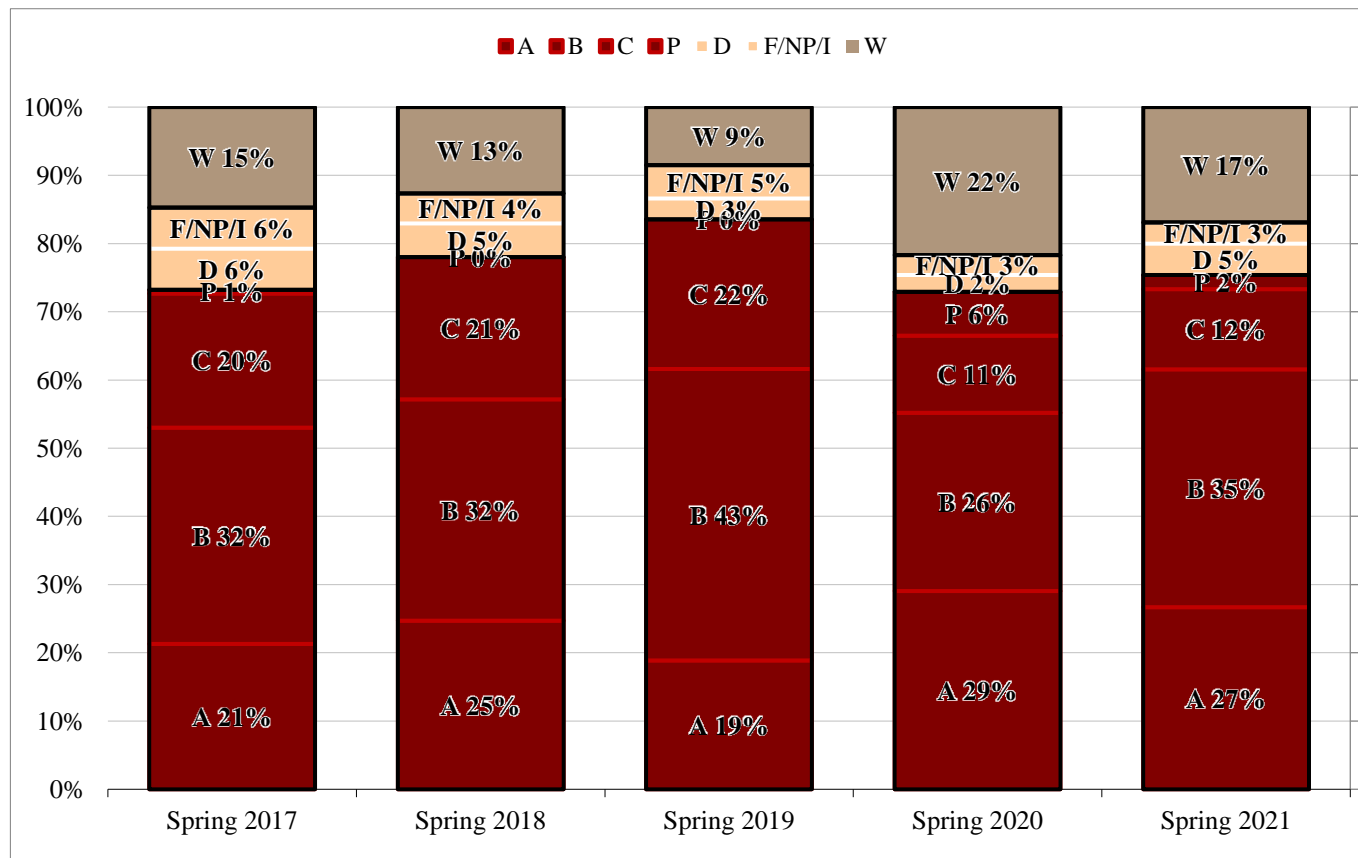
Highest Educational Level of Students

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
High School/Adult School	4	4	10	9	2
Freshmen (<30 units)	37	33	45	53	43
Sophomore (30-59 units)	54	52	61	69	71
Other Undergraduate (60 units or more)	72	76	63	85	82
AA/AS Degree	3	3	2	5	5
BA/BS or Higher Degree	11	12	4	7	5
% High School/Adult School	2%	2%	5%	4%	1%
% Freshmen (<30 units)	20%	18%	24%	23%	21%
% Sophomore (30-59 units)	30%	29%	33%	30%	34%
% Other Undergraduate (60 units or more)	40%	42%	34%	37%	39%
% AA/AS Degree	2%	2%	1%	2%	2%
% BA/BS or Higher Degree	6%	7%	2%	3%	2%



Student Performance: Grade Distribution

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Total Course Enrollments	183	182	190	231	214
Course Success Rates	73%	78%	84%	73%	75%
A	21%	25%	19%	29%	27%
B	32%	32%	43%	26%	35%
C	20%	21%	22%	11%	12%
P	1%	0%	0%	6%	2%
Course Non-Success Rate	12%	9%	8%	5%	8%
D	6%	5%	3%	2%	5%
F*	6%	4%	5%	3%	3%
Withdrawals (See Note)	15%	13%	9%	22%	17%



Definitions:

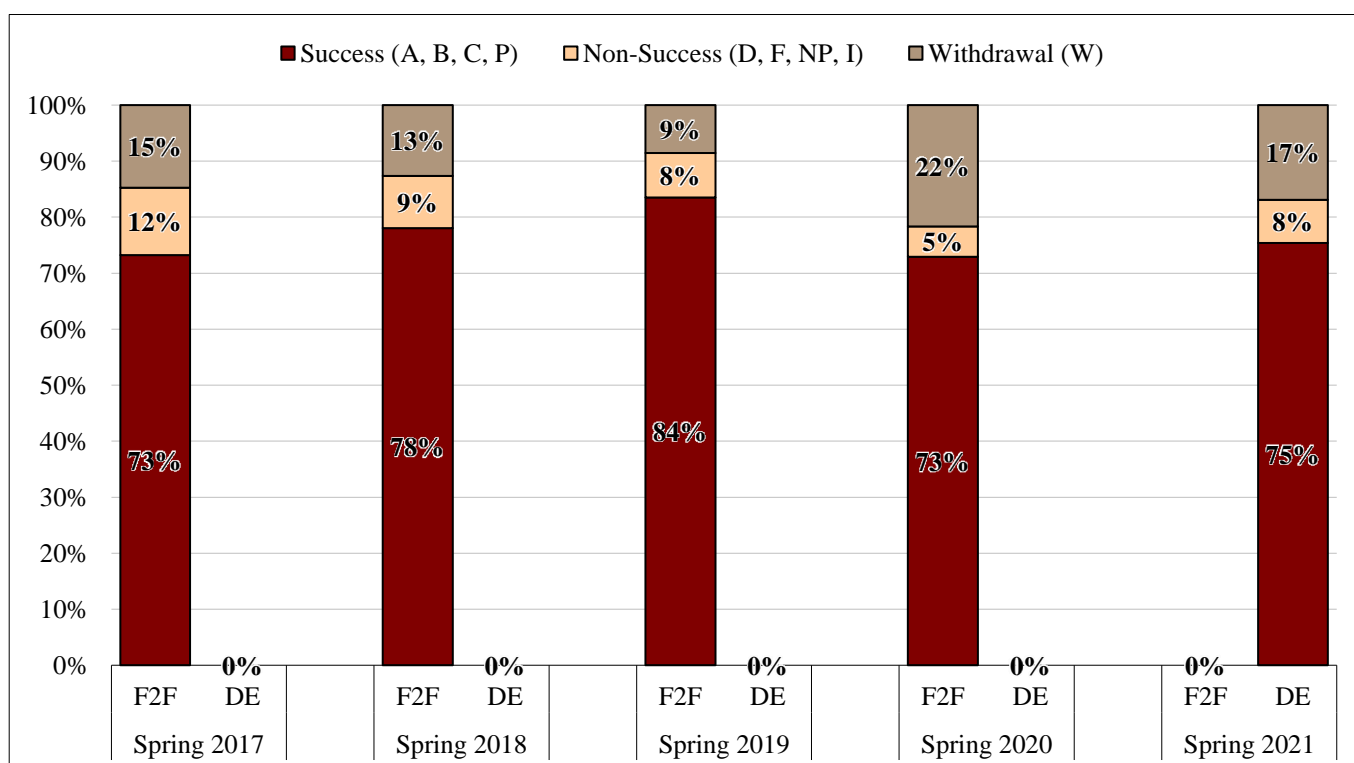
Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D' or F* (includes: 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP').

Withdrawals are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

Student Performance: Distance Education

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
Total Course Enrollments	183	182	190	231	214
Face-to-Face (F2F) Sections	183	182	190	231	0
Success Rates	73%	78%	84%	73%	—
Non-Success Rates	12%	9%	8%	5%	—
Withdrawals	15%	13%	9%	22%	—
Distance Education (DE) Sections	0	0	0	0	214
Success Rates	—	—	—	—	75%
Non-Success Rates	—	—	—	—	8%
Withdrawals	—	—	—	—	17%



Definitions:

Course Success Rate: Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

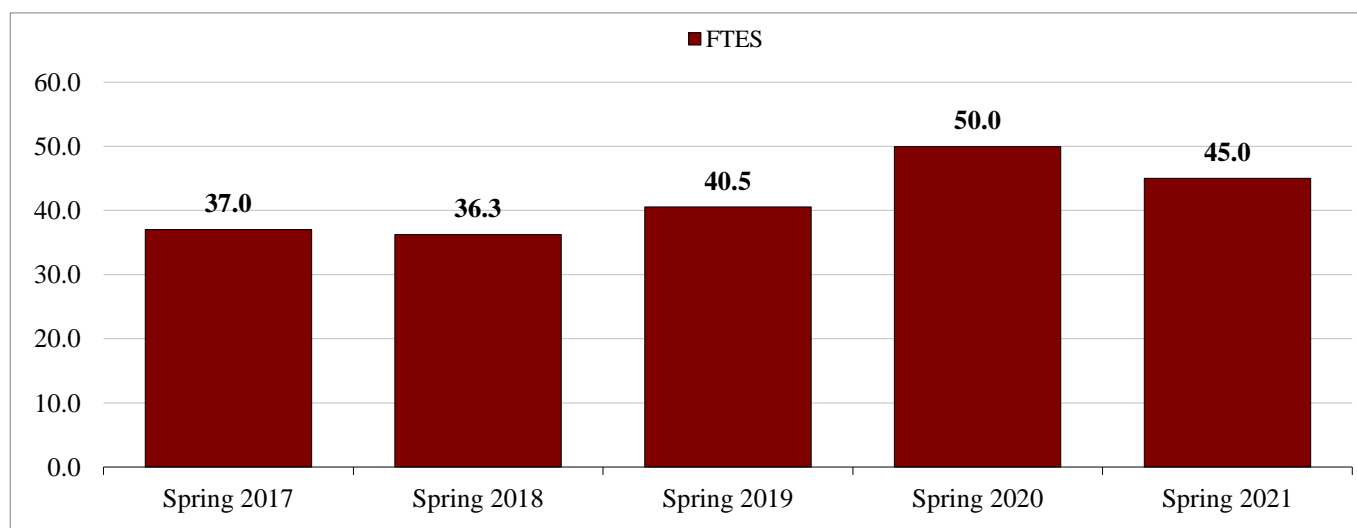
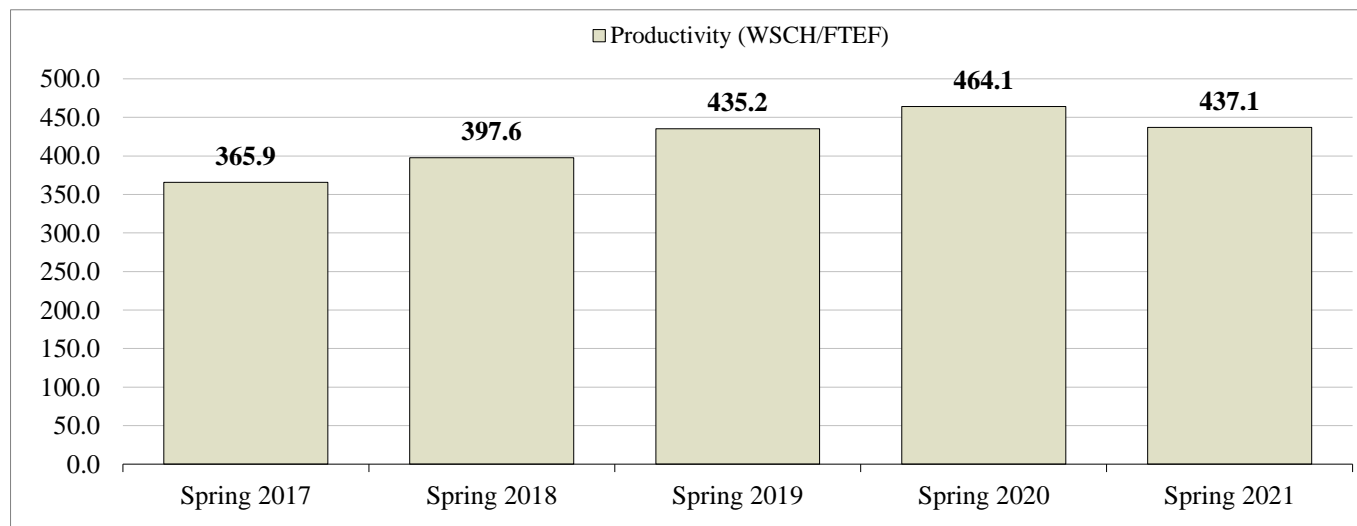
Course Non-Success Rate: Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

Withdrawals are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

Distance Education (DE) includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'. In 2020-21, due to the COVID-19 pandemic, DE sections were distinguished through provisional designations.

Enrollment Management: Part 1

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
WSCH	1,155	1,116	1,287	1,577	1,439
FTES	37.0	36.3	40.5	50.0	45.0
FTEF	3.2	2.8	3.0	3.4	3.3
Productivity (WSCH/FTEF)	365.9	397.6	435.2	464.1	437.1

**Definitions:**

WSCH is the total Weekly Student Contact Hours resulting from all enrollment within the discipline.

FTES is the total Full Time Equivalent Student value resulting from all enrollment within the discipline.

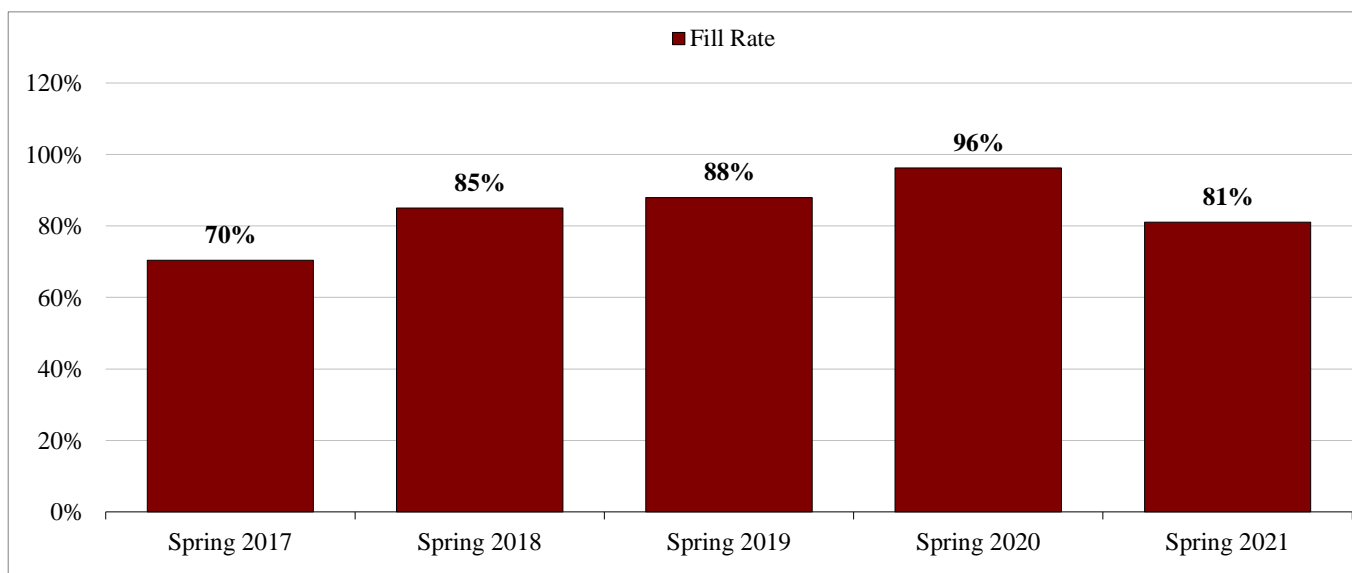
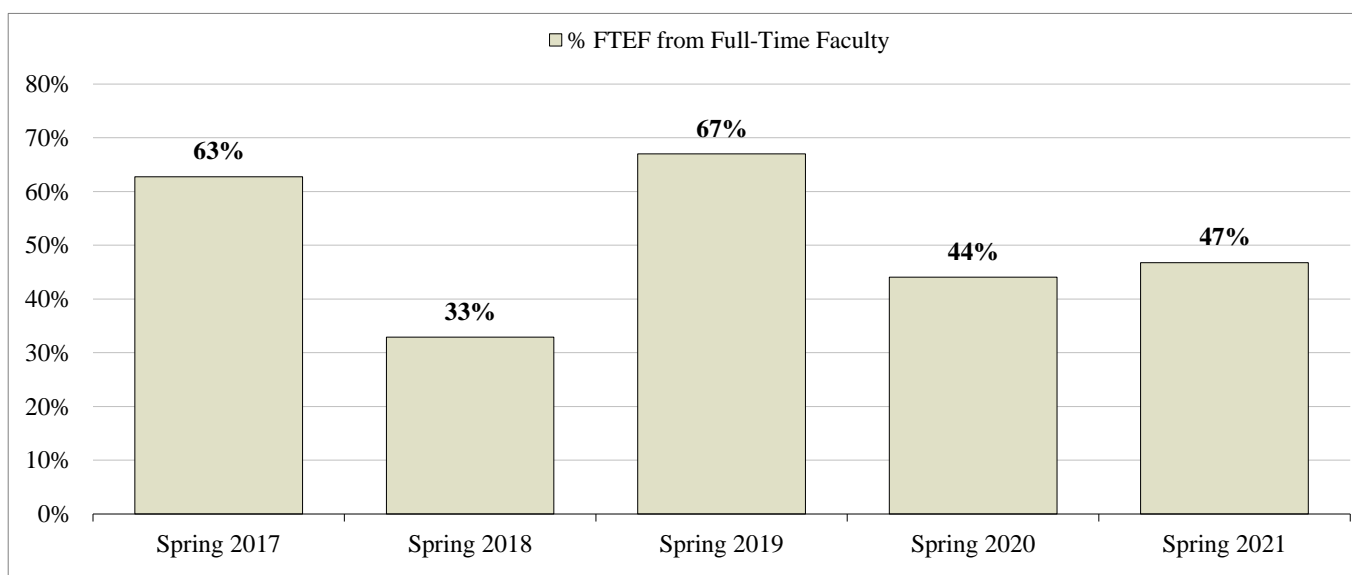
FTEF is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

Productivity is the ratio of WSCH to FTEF and a standard measure of discipline efficiency.

Note: Enrollment Management data are of all courses accounted except NTUT / TUTR 200; latest data accessed on 7/20/21.

Enrollment Management: Part 2

Physics (PHYS)					
	Term				
	Spring 2017	Spring 2018	Spring 2019	Spring 2020	Spring 2021
FTEF from Full-Time Faculty	2.0	0.9	2.0	1.5	1.5
% FTEF from Full-Time Faculty	63%	33%	67%	44%	47%
Enrollments	183	182	190	231	214
Capacity (seats available)	260	214	216	240	264
Fill Rate	70%	85%	88%	96%	81%


Definitions:

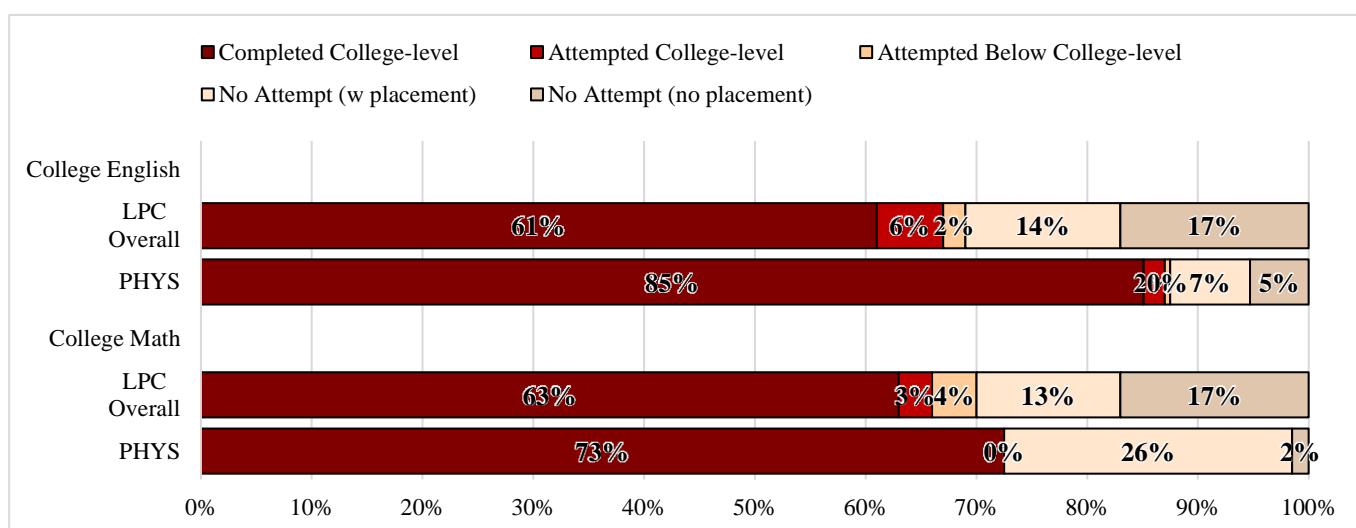
Fill Rate is number of enrollments over the total capacity (seats available).

% FTEF from Full-time Faculty is the FTEF generated by full-time faculty as load (i.e., excluding overload) divided by the total FTEF.

Note: Enrollment Management data are of all courses accounted except NTUT / TUTR 200; latest data accessed on 7/14/20.

Prior Experience in English & Math

	Spring 2021			
	PHYS		LPC Overall	
	Num	Pct	Num	Pct
College English				
Completed College-level	177	85%	4,882	61%
Attempted College-level	4	2%	547	7%
Attempted Below College-level	1	<1%	65	1%
No Prior Attempt (has placement)	15	7%	1,066	13%
No Prior Attempt (no placement)	11	5%	1,485	18%
College Math				
Completed College-level	145	73%	5,173	64%
Attempted College-level	0	0%	186	2%
Attempted Below College-level	0	0%	217	3%
No Prior Attempt (has placement)	52	26%	1,126	14%
No Prior Attempt (no placement)	3	2%	1,343	17%



Definitions:

College English: Completed College-level = successfully completed ENG 1A, 1AEX, or attempted transfer level, or has earned at least an Associates degree.

Attempted College-level = attempted ENG 1A or 1AEX but has not successfully completed prior to indicated term.

Attempted Below College-level = attempted ENG 102, 104, 105, 100A, 100B, NENG 204, or ESL 25 prior to indicated term.

No Prior Attempt (has placement) = no previous English enrollments within the sequence but has used a placement tool.

No Prior Attempt (no placement) = no previous English enrollments within the sequence and did not utilize a placement tool.

College Math:

Completed College-level = successfully completed MATH 55, 50, NMAT 255 or 250, or attempted transfer level, or has earned at least an Associates degree.

Attempted College-level = attempted MATH 55, 50, NMAT 255 or 250 but has not successfully completed prior to indicated term.

Attempted Below College-level = attempted MATH 110, 107, NMAT 210 or 207 prior to indicated term.

No Prior Attempt (has placement) = no previous Math enrollments within the sequence but has used a placement tool.

No Prior Attempt (no placement) = no previous Math enrollments within the sequence and did not utilize a placement tool.