	2022-2023
	BS Electrical Engineering
	aeldek@lamar.edu, 409-880-8747

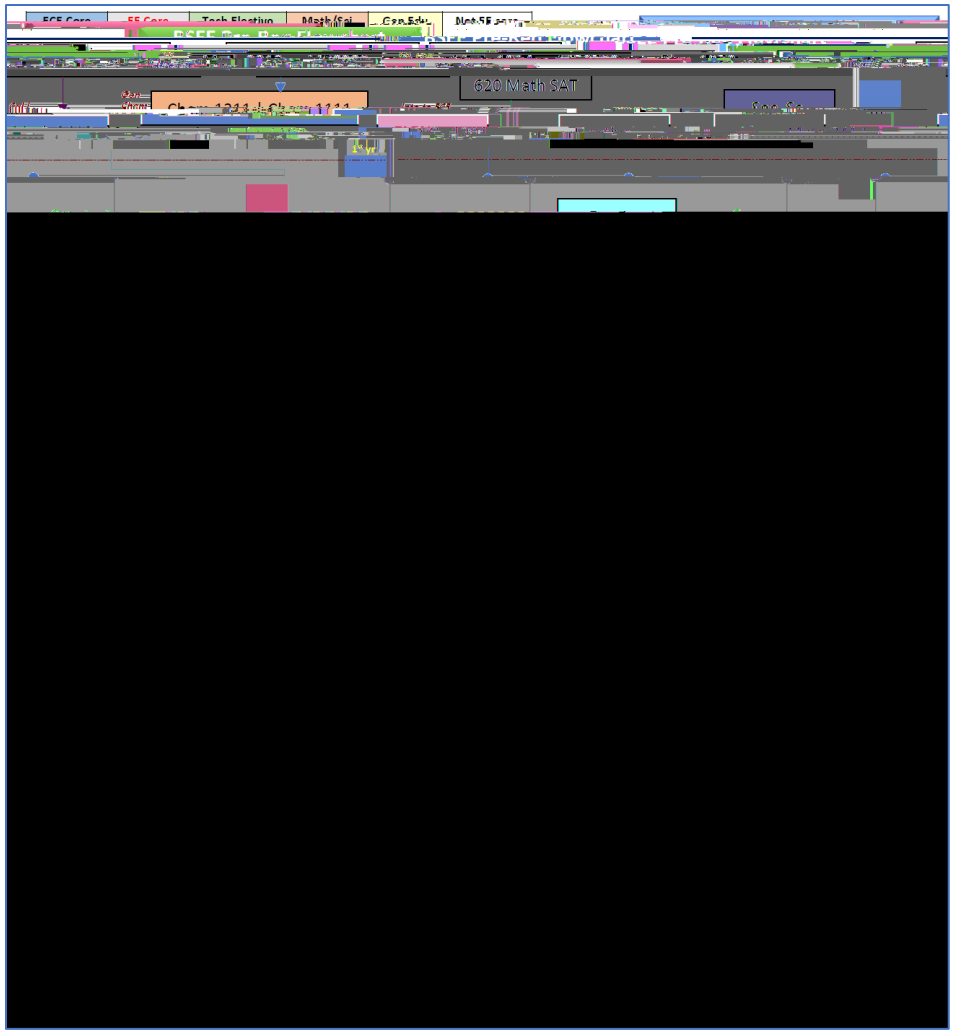
Provide a brief description of how assessment results have been used for program improvement. Point to a specific example of

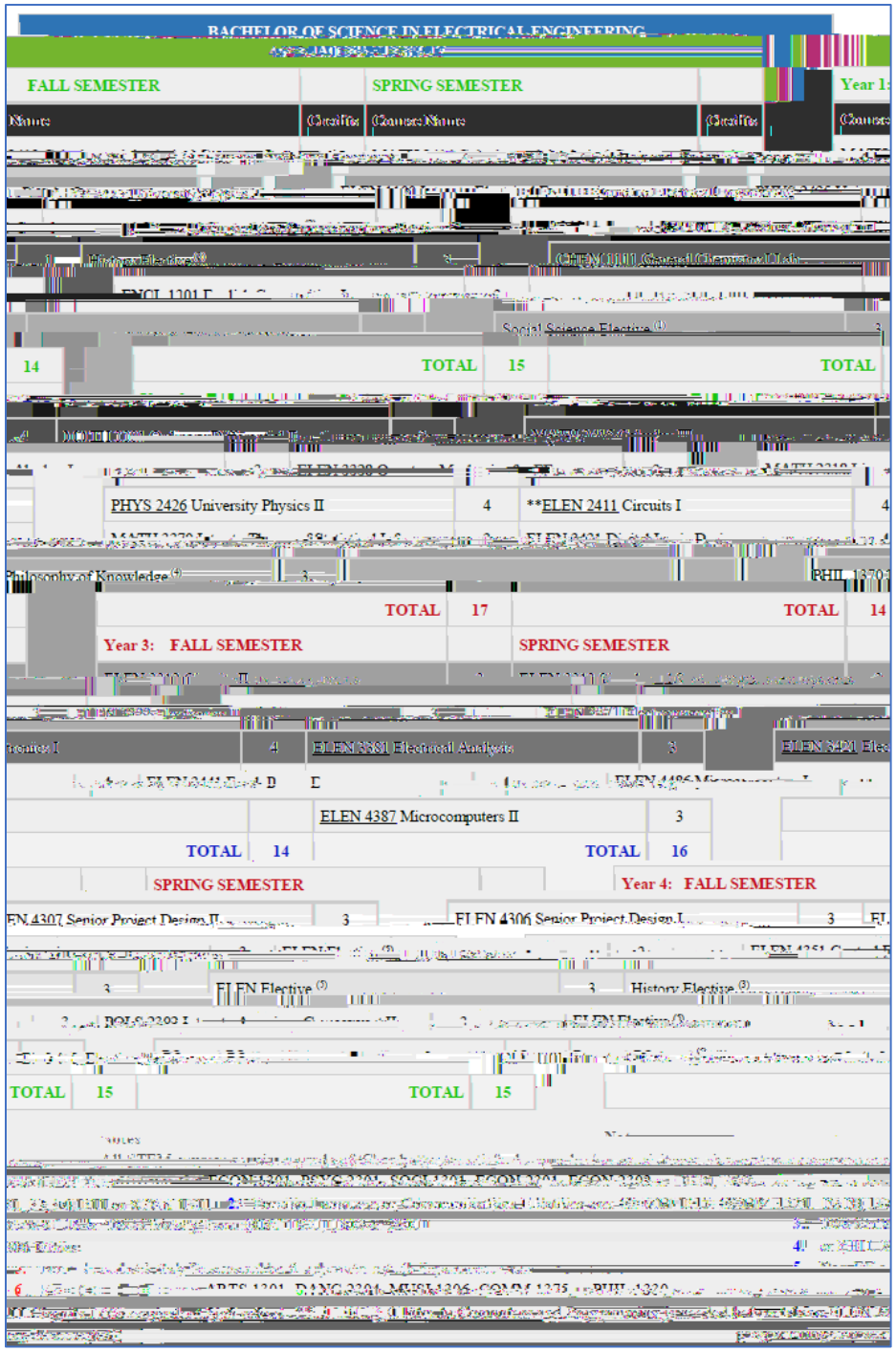
				4) Exceeds expectations, 3) Meets expectations, 2) Below expectations, 1) Does not meet expectations.		* What do the data tell you? How will you use this data? How were data from the last cycle used to make changes during this cycle, and What were the results of those changes?
Help students develop a strong theoretical foundation	An ability to identify, formulate, and solve engineering problems	- Objectives and description identify problem - Design formulates problem by applying STEM - Technical approach applies STEM principles				

Successfully continued on the unique Hardware-in-Homework (HiH) integration into upper level theory courses: This novel approach, HiH, provides a laboratory experience to upper division theory courses where students gain hands-on experience via a portable device that the students purchase for use in all of their lab work as well as HiH. Students are given homework assignments that require them to use the test and prototyping equipment that they already know how to use from their lower division formal laboratory work.

Fall 2021: LU Electrical Engineering department, in collaboration with LU Teacher Education department, received funding from the NSF ISUE to improve the quality of online labs for electrical engineering students. This was motivated by feedback from senior exit surveys and input from

Credits
Course Name
Credits
Course Name
CHEM 1111 General Chemistry Lab
1
TOTAL 17
TOTAL 15
MATH 2415 Calculus III
4
MATH 3301 Ordinary Differential Equations
3
Algebra
3
ELEN 3381 Electrical Analysis
3
MATH 2318 Linear
ENGR 3320 Prob & Statisti
TOTAL 14
TOTAL 17
Power Engineering
4
ELEN 3371 Electromagnetics
3
ELEN 3441 Fundamentals
ELEN 4486 Embedded Microprocessor Systems
4
ELEN 4287 Computer
TOTAL 16
TOTAL 17
3
ELEN 4351 Control Engineering
3
ELEN Elective (6)
Fine Arts Elective (7)


620 Math SAT


BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING
FALL SEMESTER
SPRING SEMESTER
Year 1:
Name
Credits
Course Name
Credits
Social Science Elective (1)
14
TOTAL
15
TOTAL
PHYS 2426 University Physics II
4
**ELEN 2411 Circuits I
4
Philosophy of Knowledge (4)
3
TOTAL
17
TOTAL
14
Year 3: FALL SEMESTER
SPRING SEMESTER
ELEN 3381 Electrical Analysis
3
ELEN 4387 Microcomputers II
3
TOTAL
14
TOTAL
16
SPRING SEMESTER
Year 4: FALL SEMESTER
ELEN 4307 Senior Project Design II
3
ELEN 4306 Senior Project Design I
3
ELEN Elective (5)
3
History Elective (3)
TOTAL
15
TOTAL
15

Soc. Sc.
Chem 1311
Chem 1111
1st yr
Foreign
History
Spring
2nd yr
Fall
Microcomp. II
Electronics II
Sig & Syst
Elec. Analysis
Fund. Of Power
Control
Sen. Design I
ELEN 4351
Elective
Elective
Pols 2301
ELEN 4306