

SYED BABAR ALI SCHOOL OF SCIENCE & ENGINEERING

Policy Note for Courses with SCI/ENGG Prefix

21 May 2020

Rationale:

SCI and ENGG courses will be extremely valuable. These courses epitomize what we stand for, no borders. For example, a course on *climate change* may not fall into any category, because it is an all-encompassing body of knowledge, bigger than the silos we have created (a.k.a. chemistry, biology, physics, engineering, CS etc). One can say the same for many envisaged courses such as *mechanics of the human body*, *science and society*, *science policy*, the *science of archaeology*, *ideas that shape our universe*, the *greatest feats of technology* etc.

There could be subjects which we do not offer, but still would like to teach as an elective, e.g. subject matters in mechanical engineering, biomedical engineering, the *physics of the circulatory system*, the *ethics of AI*, *fundamentals of design* etc. Upcoming *art of engineering*, *cross-disciplinary science labs* may also fall into this category.

There will be a variety of outcomes from these courses. Some will be rigorous and others will be introductory and survey-like. The course code (100 through 400 etc) will reflect the level of complication and standing of the course. The binning of the course as free elective, major elective, and/or SBASSE elective will also be determined accordingly. Many of these courses will also be meant to incite the scientifically inclined mind through a fascinating coverage of upcoming, futuristic areas in science and technology.

Process:

Such courses can be initiated by the Department, the Centres housed at SSE or the School itself. The offering entity for all SCI / ENGG courses will be demarcated as the Syed Babar Ali School of Science and Engineering.

1. Courses initiated by the Department:

- Faculty member/s, in consultation with the department, prepares a course with SCI/ENGG code
- The course is presented to the departmental curriculum committee (DCC)
- DCC decides whether SCI/ENGG code is appropriate

- If SCI/ENGG code is approved by DCC, it would also suggest/recommend whether this course can serve as a **major elective** or **free elective**. For major and free elective, the buck stops here and the recommendation is sent to the RO.
- Follow the next step if the course is being pitched for SBASSE elective.
- The course is discussed and approved by the Undergrad Curriculum Committee (UGCC) for **SBASSE elective**, and any caveats and exclusions thereof.

2. Courses initiated by the School, multiple Departments or Centres:

- For SCI or ENGG courses offered by external instructors (e.g., adjunct faculty not associated with any department, a direct hire for these courses, courses initiated by the Directors of Centres, Dean, Resident Professors, Professors of Practice etc.), binning and approval will go directly through UGCC. For courses where UGCC does not have expertise, it may seek help from SBASSE departments or experts from outside LUMS.

For each case, at the very last stage, a form needs to be filled and a copy submitted to the Dean's Office of Academic Affairs. An online fillable form is available at: <https://form.jotform.com/201403331395445> . A pdf version is also appended with this document.

Classification of SCI/ENGG Courses

Thank you for taking out time to answer these questions. The purpose of this form is to document the process of establishing courses with SCI or ENGG codes in the SBASSE and binning them into major elective, free elective or SSE elective.

Who is filling in this form? Please also mention your Department, Centre or Office.

Course Code:

SCI

ENGG

Course number, e.g. 315.

Course Initiated by:

Course Approved by Department Curriculum Committee (DCC)?

Yes

No

N/A since it is not initiated by an academic Department

If you have answered the above question as 'No', please elaborate:

Course Category (bin). Check all that apply.

Major elective

SSE Elective

Free elective

In case of major elective, which major?

Course approved by School Undergraduate Curriculum Committee (UGCC)?

Yes

No

If you have answered the above question as 'No', please justify:

Can this course be counted as SSE Elective?

Yes

No

Are there any exclusions, e.g. students of a particular major are not allowed to count this as an SBASSE elective? Any other specifics of exclusions?

Any other comments that are not captured by this form?

Brief Description of the Course: