11/25/53

And a good deal of what their text books may present to
them, I would use for their instruction at present Calhoun Civil
Engineering and Gillespie in Roads. So these books lectures on
points not fully presented there may be occasionally added as
experience may dictate. As the Seniors will have had opportuni-
ties, during their previous years, to see and learn somewhat of the
use of Engineering Instruments, and as drawing and draughting
belong to a professional education, I would not occupy any
portion of their limited time by these subjects. I think that two
or three lessons a week will be a fair proportion of their time for
these subjects here suggested, and at the close of the session these
students should graduate as is usual now. Whether it will be
possible or profitable to form this class of Amateur Engineers
is left to the decision of the Faculty. Much light can doubtless be
thrown on this question by the experience of the Senior Professor
who taught Engineering to the whole Senior Class some years ago.
I also submit the following questions to the consideration of
the Faculty. Shall this, or any other amount of Engineering be taught
to all the Seniors as requisite for their first Academic degree,
or only to such as prefer it to what is now given them in the last
dsession of their College course? What studies in our present
scheme shall it replace? How much time during each week
shall be devoted to it and shall the needful amount be taken
altogether from the present studies of the Senior Class, or shall
some of their now vacant hours be so applied?

The Professional Engineers may be distinguished into College
and Independent Students. The College class I would form of
Seniors at the close of their first session and they ought to con-
tinue in the new school at least eighteen months. If some