In place of the organ recital/demonstration, please do the following.

Choose a large well known campus performance room
(Perkins Chapel, Bob Hope Auditorium, O'Donnel Hall, etc., ).

Your mission is to make an accurate acoustical assessment of the room. Include the following items.

- Compute the total volume of the room.
- Compute the total surface area of the room.
- Itemize the types of wall/floor/ceiling coverings, and compute the effect to these items.
- Compute the reverberation time of the room for f=1000Hz.
- Based on this value, estimate the reverberation time of the room for f=100Hz and f=10,000Hz. Comment on differences.
- Evaluate the room for acoustical problems. Identify potential problems such as hi/lo frequency loss, echoes, intimacy, etc.
- Include other comments or observations about the design of the room.