Note to incoming class of 2024 students regarding 18.01 and AP Calculus BC. July, 2020.

This note is going to all incoming MIT undergraduates but is most relevant to the fraction of students who are planning to place out of 18.01, especially those who took AP Calculus BC.

The AP Calculus BC class is roughly equivalent to the General Institute Requirement 18.01. MIT gives 18.01 credit if a student has both a 5 on the BC exam and a sufficiently high score on the diagnostic exam\(^1\) (given remotely in early August this year). Students can also get 18.01 credit by passing the 18.01 ASE (Advanced Standing Exam) given on August 10, 2020.

Due to the pandemic, the 2020 AP Calculus BC exam covered roughly 8.5 of the usual 10 units. Many AP classes covered the omitted material even though it was not on the 2020 exam, but some of you might be interested in reviewing these topics on your own. This note will point you to optional online resources covering the omitted material. **We emphasize that reviewing this material is 100% optional.**

The omitted AP material consists of all of unit 9 - “Parametric equations, polar coordinates, and vector-valued functions” - and parts of unit 10 - “Infinite sequences and series”\(^2\). This material is covered in an online class developed by MIT on the edX platform; the class is called Calculus 1c and it is the last third of the MIT class 18.01. The edX Calculus 1c class will be made available this summer to all incoming MIT first year students (at no charge). This class has instructional material (including videos), exercises to test your understanding, and a discussion forum.

**What to expect:** In the next few days, every incoming student will get an email (delivered to your @mit.edu email address) from edX with the subject line:

“You have been invited to register for Calculus 1C: Coordinate Systems & Infinite Series”

**If you do not want to take this optional class, then simply ignore the edX email.**

**If you would like to take this class, here is what you do:**

1. Open the edX email and click the button “Finish your registration”.
2. At the edX page, create your account by entering your information (make sure to use your @mit.edu email).
3. You will then get an email from edX with the subject line “Action Required: Activate your edX account”. Open this email and click the “Activate your account” button. This will take you back to edX and the Calculus 1c course will now be visible.
4. Over the summer, complete whatever parts of the course that you find useful.

\(^1\) See [https://math.mit.edu/academics/undergrad/first/ap.php](https://math.mit.edu/academics/undergrad/first/ap.php) for details on 18.01 credit.

\(^2\) See [https://apstudents.collegeboard.org/courses/ap-calculus-bc](https://apstudents.collegeboard.org/courses/ap-calculus-bc) for the AP BC topics.