The educational goal of New York University College of Dentistry is based on creating a partnership with students in order to assist them to achieve academic excellence. The faculty of the College has designed a rigorous curriculum, which provides both educational and clinical experiences directed towards the development of competent dentists. These Guidelines define the standards that students must meet and provide the framework for their evaluation.

Process of Evaluation
The faculty of the College evaluate student progress throughout the academic year and provide constructive feedback. As a result of these evaluations, students receive grades at the end of each semester. Students are expected to monitor their grades and can access grades at any time on the NYU Student Information System (SIS) through “Albert”. Clinical progress may be accessed through the NYU College of Dentistry Intranet.

The Guidelines have been developed by the Committee on Academic Review and Standards (CARS) and the Executive Management Council (EMC) and are monitored by the EMC.

The Office of Academic Affairs reviews overall progress and evaluates performance against the standards listed in this document, Guidelines for Academic Progress, Promotion and Graduation and makes appropriate decisions.

The academic year: The academic year consists of three sessions: the fall, spring and a summer. The summer session is 6-8 weeks long. The schedule for any academic year is determined by the faculty and announced in the academic calendar.

Attendance: The attendance policy for the College of Dentistry recognizes the responsibilities of the student, the faculty and the administration of the College.

Specifically, the policy is:

1. The requirement for participation through attendance is a critical part of education. The attendance policy is appropriately established by the faculty and course director for each course and published in course syllabi. Students who are absent from classes must work with the faculty to complete course work and make up missed clinic sessions. Where policies exist in disciplines, excessive absence from required courses may result in loss of grade up to and including failing a course.

2. Students must take required examinations. Unless the discipline has a different policy, an absence from an examination will be counted as a grade of F for that examination. This may result in a student not passing the course. In rare instances when the absence results from a serious illness or other circumstance beyond the control of a student, it is at the discretion of the course coordinator, in accordance with the established course policy, to determine the appropriate course of action.
3. Participation through attendance at preclinical and clinical sessions, outreach assignments, and clinical rotations is mandatory. Students who have absences must arrange to attend substitute sessions to make up for the absences. In rare instances disciplines may waive sessions where students have demonstrated competence and patient care obligations permit.

4. A student who is absent from a scheduled clinic session for any reason is responsible for assuring that a patient scheduled for an appointment is notified in a timely manner before the appointment.

If a student is absent for five (5) or more consecutive school days, the Office of Academic Affairs must be informed and will require documentation that the student is able to return to the academic program.

Grades

Grades in the College of Dentistry are letter grades of A, B, C, C/F and F. Courses that are graded on a pass-fail basis, receive grades of “H, P, P/F and F”. C/F is the grade given to students who have passed a letter graded remedial course while P/F is the grade given to a student who passes a pass/fail remedial course. Additionally, faculty may use grades of “I, Y, and W” which are conditional grades that indicate a course is not completed. These are not final grades. W (Withdrawal) is for administrative use only to record the disposition of a course when a student is registered and does not complete the course in accordance with the appropriate College or University policy.

Grade Key:
A = 4.0, B=3.0, C=2.0, C/F= 2.0 and F=0
H = Honors, P = Pass, F = Fail, W= withdrew prior to evaluation, W/S= withdrew due to leave of absence with satisfactory progress, W/U = withdrew due to leave of absence with unsatisfactory progress (see explanation under Leave of Absence).

I: (incomplete) designates that while the regular course of study has ended, the student has required assignments that have not been completed. An “I” grade refers to a didactic or laboratory/simulation course. A grade of “I” requires extra work, which has to be completed within 4 weeks after completion of the course. After that date the grade has to be changed to a passing or failing grade.

Y: (incomplete clinical course grade) designates that a student has not completed a sufficient amount of work to make evaluation of the student’s performance possible at the end of a clinical course. At the completion of the third year a student may carry forward multiple Y grades without any penalty for a period from the end of the academic year (spring semester) until the end of the summer session. A student having more than 3 Y grades remaining after the summer session will have Y grades converted to F grades and may be subject to either extension of the academic program beyond graduation, repetition of the academic year or dismissal. Students with 3 or fewer Y grades must correct deficiencies leading to passing grades prior to the completion of the fall semester of the senior year. Failure to do so will result in remaining Y grades converted to F grades and the student subject to academic action.
including extension of the academic program, repetition of the academic year or dismissal.
The Office of Academic Affairs will reevaluate students on an extended academic program due
to the Y grade policy prior to graduation, and those with outstanding performance in the senior
year may have a reduction in the extra time they were asked to serve beyond their original
graduation. Students who do not pass Part I of the National Board Dental Examination (NBDE)
may extend the deadline for Y grades with a time period equivalent to their clinical
suspension/reduction (see Policy on National Board Dental Examination).

Modification of grades
Faculty may use a plus “+” to modify grades of A, B and C. In addition, faculty may use a
minus “-“ to modify grades of A and B. The use of a plus with a grade increases the grade
point value by 0.3 and a minus will decrease the value by 0.3. Thus a grade of C+ = 2.3, B+ =
3.3, an A- = 3.7 and so on. A grade of A can be modified with a “+” but without an increase in
the grade-point value. A grade of C may be modified with a + but may not be modified by a
minus.

Minimum passing grade
The pre-doctoral curriculum is based on a competency model. In order for a student to progress
at each step, there must be an indicator of satisfactory progress toward competency. Therefore,
a grade of C (graded course) or P (pass-fail course) is the minimum passing grade in a course.
A student, who cannot demonstrate performance at the C level, will receive a grade of F. A
grade of F requires additional course work to reach the level of skill and knowledge necessary
to demonstrate competency (see “Remediation”).

Submission of grades in a course
The faculty determines grades in any course. Faculty are required to submit grades within five
working days after the last day of class or the scheduled final examination, and/or completion
of clinical documentation.

Notification of examinations
Faculty must give students adequate notice of the date for examinations and the submission of
major assignments. This notice should be provided as part of course syllabi given at the
beginning of each course. Timely notification of students about their performance on
examinations is a fundamental part of sound education practices. The Office of Academic
Affairs strongly recommends that faculty notify students of their performance within 5
business days (by posting the examination grades on a bulletin board, the intranet or by
individual e-mail). This provides feedback for students and the opportunity to employ
corrective action.

Course Evaluation
Evaluation is a fundamental part of dental education. The faculty of the College believes that
feedback from students is a means to improve instruction, to gain information about features of
courses that will enhance learning. In this spirit, each semester the Curriculum Committee
through its Curriculum Management Plan and attached course schedule will evaluate specific
courses. Students are expected to complete evaluations of courses when requested. Students must complete the evaluation process as a condition of receiving their final grade in the course.

Clinical Privileges

It is a privilege to provide oral health care to the public. Students should be compliant with the standards of care and rules and regulations. Given the trust of the public for the profession, the faculty plays a fundamental role in overseeing the treatment of any patient. As part of the partnership between the faculty and students, faculty continually monitor student performance in the clinic and gauge the well being of patients. Faculty are expected to withdraw the privilege of patient care at any time a student does not demonstrate skill and/or a level of knowledge that is necessary for the well being of patients.

A student who neglects or inappropriately treats his/her patients may lose patient care privileges from all clinics, may receive a grade of F in the respective course at anytime during the academic year, and may be subject to academic dismissal.

Requirements for Promotion

In order to progress to the next academic year, students must have passed all courses. A student will not progress to the next academic year unless all courses have been completed. (Exception-students with Y grades ending the 3rd academic year, see section on Y grades, above). Progress in the clinical disciplines is evaluated at a minimum of a semester basis. Students should be making progress in each clinical discipline based on their evaluation. A student who is not progressing in a clinical discipline during the D3 year may be asked to extend the academic program beyond graduation, repeat the academic year or be dismissed.

Remediation

Students who do not achieve the minimum passing grade (C) must complete additional instruction. Remedial instruction is offered in all courses and takes place during a period of time identified in each academic year, generally, in the summer. Students with multiple failures may not be eligible for remediation. Academic Affairs in consultation with the Chair of CARS, the Assistant Dean for Student Affairs and Academic Support Services and Associate Director of Advising and Academic Support Services will review and decide if remediation is possible for such students. Students who fail multiple courses but are eligible for remediation will become ineligible to continue in remediation if at anytime they fail one of the remedial courses. Students who fail the remedial program will be required to repeat an academic year or be subject to dismissal.

Policy on Remedial Instruction

a. Definition: The curriculum in the College of Dentistry is based on the achievement of competency. When students have not met the minimum acceptable standard for achievement in a didactic course or have not demonstrated an adequate level of skill in a pre-clinical or clinical course (as indicated by a grade of I or F), the student must enter a period of remedial instruction. This remedial instruction is considered to be a guided experience to improve the knowledge, competency, and skills of a student. Before permitting a student to enter remedial instruction, Academic Affairs will review the student’s overall record, consider the
recommendation of the faculty course director as to whether or not the student is remediable, and when appropriate prescribe the required remedial program.

The form of remedial instruction must be accomplished within a designated “remedial instructional period” which will be at the end of the academic year. To be eligible for remedial instruction, students must have already taken a full course of instruction. It is assumed that remedial instruction will require considerably less curriculum time than repeating an entire course. In addition, remedial instruction will provide validation of achievement in order to provide a course grade for the experience. Academic Affairs will determine the eligibility of students for remedial instruction. A chairperson may make a recommendation regarding a student’s ability to remediate a course, which will be considered by the Associate Dean of Academic Affairs in consultation with the Chair of CARS, the Assistant Dean for Student Affairs and Academic Support Services and Associate Director of Advising and Academic Support Services.

b. Description of Instruction Program: Remedial instruction is based upon the conceptual framework and achievement during a regular course of instruction. Students entering remedial instruction must be able to begin at a level where instruction will be directed to enhancing and building upon the student’s knowledge in a given area. Instruction in a remedial program is designed to provide the student with access to information and examples of intellectual problems in a given topic. The role of the faculty is to guide in accessing information and advising students in problem-solving strategies. In addition, the faculty use of in-class time should be directed towards the integration and synthesis of knowledge and for providing application of concepts and evaluation. In-class time is not envisioned as a time for information giving.

c. For Pre-Clinical and Clinical Courses: For pre-clinical and clinical courses, the remedial instructional period is an additional period of time in a continuum of clinical instruction. Instruction in a remedial program for pre-clinic and/or clinical areas is designed to provide the student with specific feedback about their present level of performance and a clear description of the skills that students must demonstrate in order to progress. The role of the faculty is to provide a clear assessment of skill and knowledge in a clinical discipline and to advise students and demonstrate how successful persons approach clinical problems and procedures. In addition, the faculty should use clinic time for practicing skills and demonstrating knowledge and evaluation. Clinic time is not envisioned as a time for repetition of previously used unsuccessful approaches and prolonged periods of independent effort without specific feedback.

d. Format: A typical format for a remedial course may be to: (a) review course performance and identify specific weaknesses/deficiencies; (b) prescribe activities to strengthen concepts and build a stronger base of information and basic skills; (c) provide opportunities for problem-solving in the discipline that simulates real-life application of the knowledge in the discipline; (d) initiate independent problem-solving in order that the faculty can validate concepts and knowledge; and (e) determine overall evaluation of achievement in the course.

e. Time: A period of time in each year of the curriculum will be designated as a “remedial
period.” This will be a period during the summer session when all remedial instruction will be accomplished. It is expected that each faculty course director in consultation with a department chairperson, and the Associate Dean for Academic Affairs will determine a specific course of remedial instruction.

f. **Outcome of Remedial Instruction:** At the end of the remedial instruction, faculty will provide an evaluation of a student’s performance as shown in the table below.

<table>
<thead>
<tr>
<th>Result of Remedial Instruction</th>
<th>Final Grade</th>
<th>Resulting action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pass</td>
<td>C/F, P/F</td>
<td>Student moves to next year of curriculum</td>
</tr>
<tr>
<td>Fail</td>
<td>F</td>
<td>Student will be required to repeat an academic year or be subject to dismissal.</td>
</tr>
</tbody>
</table>

**g. Summary:** This plan places students, who have the potential to achieve, in a program of remedial instruction. Students who demonstrate an acceptable level of achievement at the end of this period will be moved to the next academic year. Students who do not achieve a passing grade will be considered for dismissal or will be required to repeat the academic year. A student may appeal to the CARS a decision of dismissal.

**Academic Actions:**
The faculty is committed to the achievement of excellence in every aspect of the program. As a consequence, students who do not meet the minimum standard for achievement set by the faculty are subject to academic disciplinary action. This may include the placement of a student on academic probation or dismissal from the College.

**Academic Probation:** A student is on academic probation under any of the following conditions:
- Has one or more outstanding F grades
- Any student repeating an academic year until the academic year has been successfully completed.

A student on academic probation is not in good academic standing (see definition further).

**Dismissal:** A student is subject to dismissal from the College under any of the following conditions:
- Receiving a grade of F at the end of a remedial course
- Receiving multiple F grades at any time during regular academic year
- Receiving two F grades at any time during an academic year being repeated
- Receiving a grade of F in any clinical course as a result of losing patient care privileges

**Definition of “in good academic standing”**
"In good standing" designates that the student has received passing grades in all academic courses, is not subject to academic discipline, has no outstanding obligations to the University, and has no complaints pending against him/her for violation of the Ethics and Professionalism of New York University College of Dentistry. In addition, the student is not under sanction of the Peer Review Boards for violation of any disciplinary or conduct code nor on probation for violation of any University policy.

**Evaluation of Academic Performance**

At the end of each semester, or appropriate interval, the Office of Academic Affairs will evaluate the academic achievement of students in accordance with these standards. The Office of Academic Affairs, in consultation with the chairperson of CARS, the Assistant Dean for Student Affairs and Academic Support Services and Associate Director of Advising and Academic Support Services, will notify students of any actions as a result of the student’s academic performance. These actions, in accordance with these Standards, may include the extension of the academic program beyond graduation, repetition of an academic year, or dismissal from the College. However, the Office of Academic Affairs will reevaluate students on an extended academic program due to the Y grade policy prior to graduation, and those with outstanding performance in the senior year may have a reduction in the extra time they were asked to serve beyond their original graduation.

**Rules for Repeating an Academic Year:**

The Office of Academic Affairs may require a student to repeat an academic year as a means for the student to demonstrate overall competence in the curriculum, to gain additional skills, or to improve their knowledge base in dentistry before moving on to the next level of the curriculum. Students who are required to repeat an academic year must repeat all courses. The decision to repeat an academic year is final. Only issues relating to the College not following its published policies and procedures are subject to appeal. This appeal must be made in writing to the Dean (or its designee) within ten (10) business days of the notification of the decision.

**Dismissal from the College**

Dismissal from the College is an action based on a student’s academic performance, which is far below expectations. After the Office of Academic Affairs has advised a student of the decision to dismiss, the student is provided the opportunity to submit any relevant information for CARS to appeal the decision. This information must be in writing and be received within five (5) business days of being notified of the dismissal. CARS, upon consideration of the student’s petition, may sustain or reverse the decision.

**Petition Procedure**

The Office of Academic Affairs evaluates the academic performance of all students and makes decisions regarding promotion and graduation. After notification of the student by the Office of Academic Affairs that the student has been dismissed from the program, the student may appeal this decision to CARS.

The following procedures must be followed for submitting information to the CARS. The written petition should be sent to: CARS, c/o Associate Dean for Academic Affairs, NYUCD, 345 East 24th St, New York, NY 10010. To be considered, the petition must be submitted within five (5) business days after the student is notified of the dismissal.
• Petitions must be in writing. As a minimum, a petition should include the following information for the CARS:
  • The student must carefully describe the action s/he would like the CARS to consider. However, if a student is dismissed from the College, s/he may ONLY request to be readmitted to repeat an academic year.
  • The justification for the request: The CARS will consider extenuating circumstances, which may have compromised a student’s performance. A student requesting reconsideration should be descriptive and complete. Wherever possible, a student must provide support to validate the circumstances. Supporting material: The CARS will consider any information a student believes will validate his/her position.

  • The CARS will consider the student’s request for a reconsideration within 21 working days of receiving the request.

  • Meeting with the CARS: The actions of the CARS are based directly on the academic performance of a student and the student's petition. The CARS will reconsider an action based on the student’s written request. In the unusual situation where clarification is needed, the CARS may request a meeting with the student in order to further clarify or explore issues. Students meet with the CARS only by its invitation.

Appeals: The decision of the Committee for Academic Review and Standards is final. Only issues relating to the College not following its published policies and procedures are subject to further appeal. This appeal must be made in writing to the Dean (or its designee) within ten (10) business days of the notification of the appeals decision by the Committee on Academic Review and Standards.

Policy on National Board Dental Examination
Students must pass parts I and II of the National Board Dental Examinations as a requirement for graduation.

Policy on the National Board Dental Examination Part I (NBDEP1)
a. All Students must take Part I of the National Boards by August 31 following their D2 academic year. Failure to take the examination by the indicated date will subject the student to suspension from all activities in the General Dentistry Clinic until the student takes and passes the examination. Upon returning from such suspension, the student will be eligible for graduation no earlier than a period of time past the original expected graduation date for his/her class that equals the time lost from the curriculum due to the suspension. If the examination is not passed prior to June 30 between the D3 and D4 years, the student will be subject to dismissal from the College.

b. All students are expected to Pass Part I of the National Boards examination on their first attempt (prior to August 31 following their D2 year)

  I. Students who do not achieve a passing score on Part I of the examination on their first attempt must have a passing score by December 31 of their D3 year. During the interim period between notification of failure on the first attempt and the retaking of
the examination for the second time, the student will have an abbreviated General Dentistry Clinical schedule approximating 50% of the normally scheduled time. This will allow additional time to study for the retake.

II. Students who pass part I of the National Dental Boards on their second attempt as outlined in “a” above, will be eligible for graduation at the conclusion of the third week in June of their D4 year, assuming all requirements for graduation are met.

III. Students who fail to achieve a passing score on Part I of the National Dental Board by December 31 of their D3 year will be suspended from all activities in the General Dentistry Clinic. This suspension will last until the student passes the examination, but will extend no later than June 30 of the summer following the D3 year.

IV. If the student passes the examination prior to June 30 of the summer following the D3 year, the student will be eligible for graduation no earlier than a period of time past the original expected graduation date for his/her class equal to the time elapsed between when the student was first expected to pass the examination (August after the D2 year) and the time that the examination was passed.

V. A student will have until June 30 of the summer session following the D3 year to successfully pass the NBDEP1. Any student who does not pass the NBDEP1 by the indicated time will be subject to dismissal from the college.

National Board Dental Examination Part II (NBDEP2)

Students who do not pass National Board Part II (NBDEP2) after completion of the fourth year.

a. NBDEP2 is a requirement for graduation and the issuing of a diploma. Students who complete all University requirements but fail NBDEP2 will not graduate nor receive a diploma. Such students will have a maximum of 14 months (July 31) following their original expected graduation date to pass NBDEP2 or be subject to dismissal and lose their opportunity to receive a diploma.

b. Students who do not have a passing score for NBDEP2 by their original expected graduation date (after completing all other graduation requirements) will not be required to remain matriculated as full-time students.

Requirements for Graduation
Graduation from the College of Dentistry is based on achievement of the following: a) passing all courses b) a passing overall score on the National Board Dentistry Examinations Part I. and Part II. c) meeting the requirements that demonstrate competency in all of the measures defined by the faculty; and, d) meeting all obligations to NYU

Policy on Extended, Returning or Repeating Seniors
Students who have passed National Board Parts I and II as well as all didactic requirements but
are still deficient in clinic requirements at the time of graduation will be categorized as follows:

A. **Extended Seniors**: Students who will complete all requirements by mid-August of the same academic year and will graduate in September.

B. **Returning Seniors**: Students who will complete all requirements by December 31 following their senior year and will graduate in January of the following year. These students will be assessed full registration fees and ½ of the senior year tuition.

C. **Repeating Seniors**: Students who will complete all clinical requirements within one year of the original graduation date. A student, except those on approved leave of absence who does not complete all clinic requirements within 14 months (July 31) following their original expected graduation date will be dismissed from the University. Repeating students will be assessed full registration and tuition fees.

**INTERUPTIONS IN MATRICULATION**

**Leave of Absence:**

**Description:** A student may encounter difficulties during his or her matriculation and find it necessary to leave school for a period of time. The faculty of the College of Dentistry is aware of such circumstances and would like to assist students through a difficult period. A leave of absence may be considered under special circumstances. All leaves of absence must be requested in written form addressed to the Associate Dean for Academic Affairs. This written application should include the general reason for the request and the proposed duration of the leave. All medical leaves of absence should be substantiated with appropriate medical documentation. The decision to grant a leave of absence will rest with the Associate Dean for Academic Affairs. At the time of requesting the leave, students are evaluated for their academic record. In the absence of final grades for courses underway, interim evaluations will reflect if the student leaves in **good** academic standing or **not in good** academic standing. If a student withdrew (W) from a course due to a leave of absence, the grade will be either W/S (withdrew with satisfactory progress) or, W/U (withdrew with unsatisfactory progress). A W/U in any course indicates a student is **not in good academic** standing.

In order to maintain continuity in the curriculum, in most instances an absence from the program cannot extend more than one academic year. In exceptional circumstances, approval or extension for one additional year of the leave of absence will be considered provided the student requests it in writing four months prior to the start of the next academic year. Approval of an extension will be based on (a) the exceptional extenuating circumstance; (b) the length of time the student has been in the program; (c) the academic performance of the student; and (d) changes in the curriculum that may have occurred or will occur during the leave of absence. Failure to request in writing an extension will result in permanent de-enrollment of the student.

**Medical or Personal Leave of Absence:** If a student’s leave of absence is based on a health problem it is required that the Office of Academic Affairs receives information about the need for the leave from either the NYU Health Center or the NYU Counseling Services (212-443-9999). Under unusual circumstances, validation for the need of a health-related leave of
absence may be accepted from an external source. This validation should be submitted to the Associate Dean of Academic Affairs. At the time of the request, the student should be in good academic standing.

**Maternity leave:**
Maternity leave is considered a leave of absence. Students who request such a leave are under the jurisdiction of all stated requirements in this document. During this period it is required that the student comply with the following

1) Contact the Director of Academic Advising and provide him/her with the anticipated first day of the leave and the approximate return date to the University.
2) Contact all faculty and departments, especially those where an exam or clinic experience is scheduled. Inform the faculty of your leave and make arrangements for any required make-ups. Students on maternity leave are responsible for all requirements as specified by the course director.
3) Contact the Director of Academic Advising with your return date.

**Outstanding Financial Obligations:** A student with outstanding financial obligation to the College/University may be de-enrolled, which is in essence an involuntary leave of absence, subject to the same rules as a leave of absence. Before a student can be considered for the possibility of return to the college, all outstanding financial obligations must be satisfied.

**Grades in Courses at the Time of the Granting of a Leave of Absence:** Students may request a leave of absence when courses have not been completed. Students cannot obtain partial credit for courses that are interrupted.

**Returning from a Leave of Absence**
When a student is able to return from a leave of absence, the request for reinstatement must be in writing and submitted, preferably before March 1 of the academic year for readmission. When returning from a medical leave of absence, including maternity leave, students must provide evidence that they are fit to return to a full-time program. Before returning to the College, the student is subject to an academic review by the Office of Academic Affairs to determine when or if the student is eligible to return. The academic review will consider the following factors in determining when or if the student may return: 1) the student’s academic record; 2) changes that may have occurred in the curriculum during the time when the student was on leave; 3) the current status of courses in the overall continuum of instruction and where the student’s educational progress is most reasonably accommodated and 4) available space. In addition, the Office of Academic Affairs will determine: 1) evidence that the circumstances that initiated a leave of absence have been resolved; and, 2) evidence that other relevant circumstances, if any, have been addressed. **There is no guarantee of reinstatement.**

Failure to request in writing a return to the next academic year will result in permanent ineligibility for reinstatement of the student. A student who returns to the program from a leave of absence is considered a full-time student.


New and modified Part II of NBDE for class of 2008 and onward approved by the EMC on 12/14/2006.

Modified D3 clinical promotion policy approved by the EMC on 9/3/2008.


New grades (W/U and W/S) and modified Leave of Absence policy approved by the Committee on Academic Review and Standards (CARS) on 01/27/2010 and EMC on 03/10/2010. Modified Clinic Privileges policy approved by CARS on 02/22/2011 and by EMC on March 2, 2011.

Modified F grade policy for students on probation, approved by CARS on July 15, 2014 and EMC on August 6, 2014, effective for any decision to be made going forward from August 6, 2014.

Editorial updates and modified policy on mandatory enrollment for students who did not pass Part II NBDE, approved by the Committee on Academic Review and Standards on June 17, 2015, and EMC on July 1, 2015.

Editorial updates on number of sessions and lowest clinical grade approved by CARS, July 27, 2015.

Update of Y grade policy approved by CARS, February 12, 2016, and by EMC on March 2, 2016.