Algorithm for Determination of MSPE Quartiles for the Class of 2022*

Used to determine quartiles for MSPE; top quartile forwarded to AOA chapter as initial step in their nomination process; also carried forward, with additional Phase 3 criteria, in determining Graduation Honors

**Phase 1 Performance**

Underlying curriculum structure and assumptions:

Block courses in each term = ~ 15% of Phase 1 total credit; each single block contributes 5-10%; DoCS course in each term = ~ 5%; Synthesis course in each term = ~ 3% of Phase 1 total credit; Colloquium course in each term = ~1% of Phase 1 total credit

**Allocation of points for Phase 1:**

In keeping with P/F approach, students passing all components without failing a major exam receive 42 points

Failure of a final course exam brings a deduction of 1 pt

Failure of a course, due to repeat exam failure or other means, brings a deduction of 3 pts (for all courses bearing 3 or more credit hrs) or 1 pt (for courses < 2 credit hrs). If preceded by initial exam failure, the two deductions are not additive.

Promotions committee or parent institution (UIC, UIUC) determination of professional behavior issue requiring remediation = deduction of 5 pts per incident

**USMLE Step 1 Performance**

Underlying assumptions:

The MSPE is meant to be a record of a student’s performance in the curriculum, over a 3 year period, whereas USMLE scores are an external measure representing performance on one day’s testing. Passage of USMLE Step 1 is, however, a prerequisite for promotion from Phase 1 to Phase 2 and thus enters into the overall P/F determinations of the College. In addition, we find it an appropriate tool to fine-tune the distinctions between students with similar overall P/F performance scores in making the final determination of quartile ranking.

**Allocation of points for USMLE Step 1**

Allocation of points for score on first attempt:

<table>
<thead>
<tr>
<th>National %ile</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-24%</td>
<td>4 pts</td>
</tr>
<tr>
<td>25-36%</td>
<td>5 pts</td>
</tr>
<tr>
<td>37-49%</td>
<td>6 pts</td>
</tr>
<tr>
<td>50-62%</td>
<td>7 pts</td>
</tr>
<tr>
<td>63-74%</td>
<td>8 pts</td>
</tr>
<tr>
<td>75-87%</td>
<td>9 pts</td>
</tr>
<tr>
<td>88-100%</td>
<td>10 pts</td>
</tr>
</tbody>
</table>

Failure to post a passing score on first attempt = 2 pts subtracted from above allocation once a passing score is posted; failure to post a passing score on second attempt subtracts 4 pts from the above.
Phase 2 Performance 48 pts max (see annotation at the bottom of the page)

Underlying curriculum structure and assumptions:

There are 7 Phase 2 core clerkships: internal med, Family Medicine, Pediatrics, Surgery, Obstetrics/Gynecology, Psychiatry, and Neurology.

Students will be completing additional curriculum components during the four terms encompassing Phase 2 and up to the time of MSPE quartile a total of 6 points is provided in recognition of this work, if passed without incident.

Allocation of points for Phase 2:

The core clerkships each yield a max of 6 pts: Proficient =2, Advanced =4, Outstanding =6

An initial clerkship exam failure results in subtraction of 1 pt

An initial failing grade for the entire clerkship yields 0 pts for that clerkship in the algorithm

Failure of an elective clerkship or other non-core course during Phase 2 brings a deduction of 3 pts

Promotions committee or parent institution (UIC, UIUC) determination of professional behavior issue requiring remediation = deduction of 5 pts per incident

100 points possible

*Annotations for the Class of 2022

* The neurology clerkship was not required for the Class of 2022.
* In addition, some members of the Class of 2022 will have had one of their clerkships affected by the adjustments made at the height of the COVID-19 pandemic. Such clerkships were graded on a credit/no credit basis, and thus cannot be entered into the algorithm.
* The 42 points for achievement in the clerkships will be calculated for the Class of 2022 as follows: The mean of the clerkships for which a grade of O/A/P or U was achieved will be determined, and applied proportionally to the total of 42 points possible for clerkship achievement. For example, a student with three “O” final grades and two “As” would have achieved 3\times6 + 2\times4 = 26 points, for a mean of 5.2. The COVID-affected clerkship grade that is “missing” (or any other missing clerkship grade) in the algorithm would also be assigned a value of 5.2, for a total of 36.4 of the 42 possible points.
* A value of 6 will be assigned for the Neurology clerkship.