## BIOLOGY (US)

## International General Certificate of Secondary Education

Grade thresholds taken for Syllabus 0438 (Biology (US)) in the May/June 2013 examination.

|  | maximum | minimum mark required for grade: |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | mark <br> available | A | C | E | F |
| Component 11 | 40 | 33 | 25 | 21 | 19 |
| Component 13 | 40 | 33 | 25 | 21 | 19 |
| Component 21 | 80 |  | 33 | 23 | 20 |
| Component 23 | 80 |  | 39 | 29 | 22 |
| Component 31 | 80 | 44 | 30 | 19 | 16 |
| Component 33 | 80 | 41 | 22 | 13 | 10 |
| Component 4 | 48 | 42 | 32 | 22 | 18 |
| Component 51 | 40 | 30 | 25 | 20 | 17 |
| Component 53 | 40 | 30 | 23 | 20 | 17 |

The threshold (minimum mark) for $B$ is set halfway between those for Grades $A$ and $C$. The threshold (minimum mark) for $D$ is set halfway between those for Grades $C$ and $E$. The threshold (minimum mark) for $G$ is set as many marks below the $F$ threshold as the $E$ threshold is above it. Grade $A^{*}$ does not exist at the level of an individual component.

The thresholds for the syllabus are determined first by adding together the thresholds for the components taken by the candidate. A reduction may be made at the higher grades depending on the correlation of the papers. If the maximum raw marks for the components are not in the weighting/relationship specified in the syllabus, a weighting is applied to arrive at the overall thresholds. The $\mathrm{A}^{*}$ threshold is calculated using the difference between $A$ and $B$ as a starting point.

The maximum total mark for this syllabus is 200.
The overall thresholds for the different grades were set as follows.

| Option | Combination of <br> components | A* $^{*}$ | A | B | C | D | E | F | G |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AX | $04,11,31$ | 158 | 139 | 120 | 102 | 88 | 74 | 64 | 54 |
| AZ | $04,13,33$ | 157 | 135 | 113 | 92 | 79 | 66 | 56 | 46 |
| BX | $11,31,51$ | 151 | 134 | 117 | 100 | 87 | 75 | 66 | 57 |
| BZ | $13,33,53$ | 151 | 130 | 109 | 77 | 78 | 68 | 58 | 48 |
| DX | $11,31,84$ | 158 | 139 | 120 | 102 | 87 | 73 | 64 | 55 |
| DZ | $13,33,84$ | 157 | 135 | 113 | 92 | 79 | 66 | 56 | 46 |

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Grade Thresholds

| Option | Combination of <br> components | A* $^{*}$ | A | B | C | D | E | F | G |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EX | $04,11,21$ |  |  |  | 105 | 92 | 79 | 69 | 59 |
| EZ | $04,13,23$ |  |  |  | 112 | 99 | 86 | 71 | 56 |
| FZ | $13,23,53$ |  |  |  | 108 | 98 | 88 | 73 | 58 |
| HZ | $13,23,84$ |  |  |  | 112 | 99 | 86 | 71 | 56 |

Grade Thresholds are published for all GCE A/AS and IGCSE subjects where a corresponding mark scheme is available.

