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# Order of Merit

**USNA Instruction 1531.51A (25 Mar 96)**

***Class Standing and Merit Lists***

**Assoc. Dean F. I. Davis**



# Orders of Merit

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## ➤ Academic Order of Merit – AOM

- Ordinal determined by CQPR

## ➤ Military Order of Merit – MOM

- Ordinal determined by coefficients in military aggregate multiple table

## ➤ Overall Order of Merit – OOM

- Ordinal determined by coefficients in overall aggregate multiple table



# Academic Order of Merit

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<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>F</i>
<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>

$$QPR = \frac{\text{grade}_1 \times \text{credits}_1 + \text{grade}_2 \times \text{credits}_2 + \dots}{\text{credits}_1 + \text{credits}_2 + \dots}$$



# Military Order of Merit

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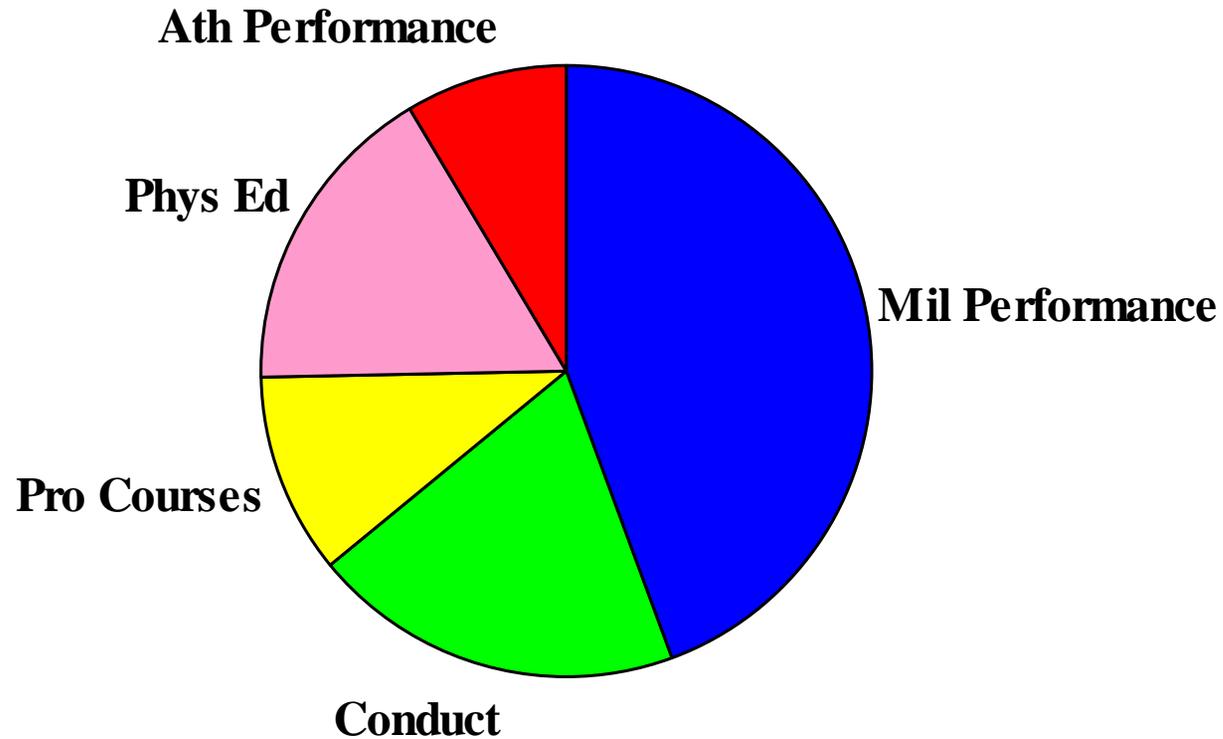
MOM Coefficient Table

Factor	4/C		3/C		2/C		1/C		Total	Percent
	F	S	F	S	F	S	F	S		
Military Performance	7.0	7.0	8.0	8.0	9.0	9.0	10.0	10.0	68.0	44.56%
Conduct	3.0	3.0	3.5	3.5	4.0	4.0	4.5	4.5	30.0	19.66%
Professional Courses	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	16.0	10.48%
Physical Education	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	25.6	16.78%
Athletic Performance	3.0		3.0		3.0		4.0		13.0	8.52%
Total									152.6	100.00%



# Military Order of Merit

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# Overall Order of Merit

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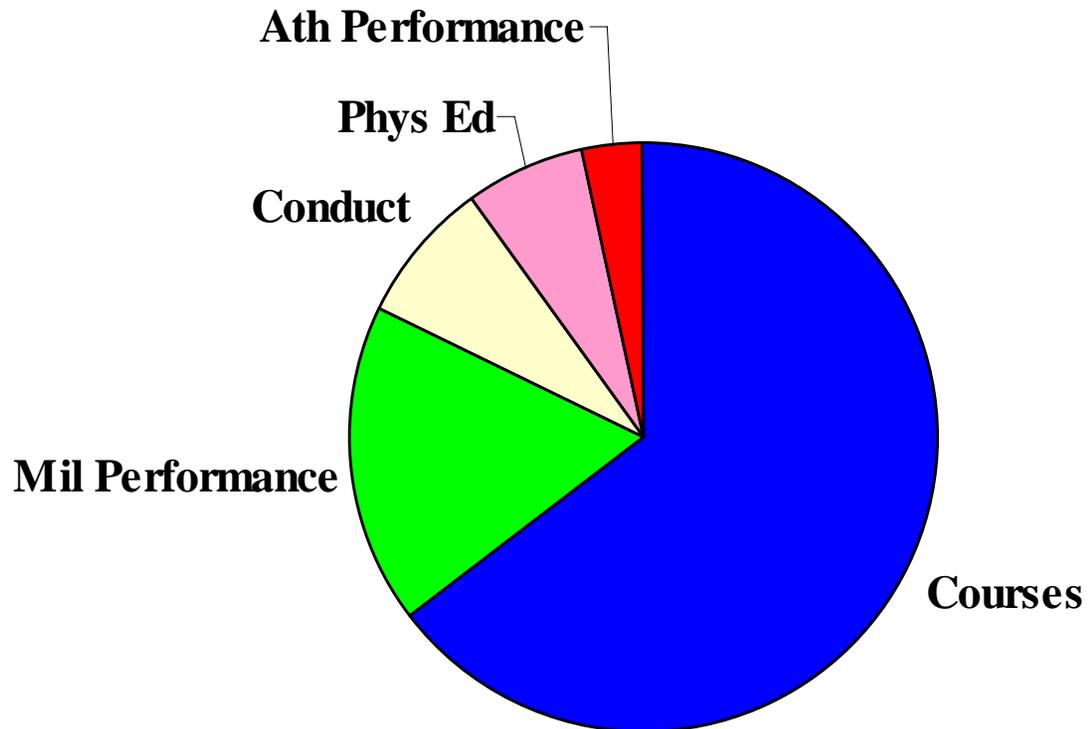
OOM Coefficient Table

Factor	4/C		3/C		2/C		1/C		Total	Percent
	F	S	F	S	F	S	F	S		
Academic and Professional Courses	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	248.0	64.48%
Military Performance	7.0	7.0	8.0	8.0	9.0	9.0	10.0	10.0	68.0	17.68%
Conduct	3.0	3.0	3.5	3.5	4.0	4.0	4.5	4.5	30.0	7.80%
Physical Education	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	25.6	6.66%
Athletic Performance	3.0		3.0		3.0		4.0		13.0	3.38%
Total									384.6	100.00%
Maximum Aggregate Multiple									1538.4	
3/4 Maximum Aggregate Multiple									1153.8	



# Overall Order of Merit

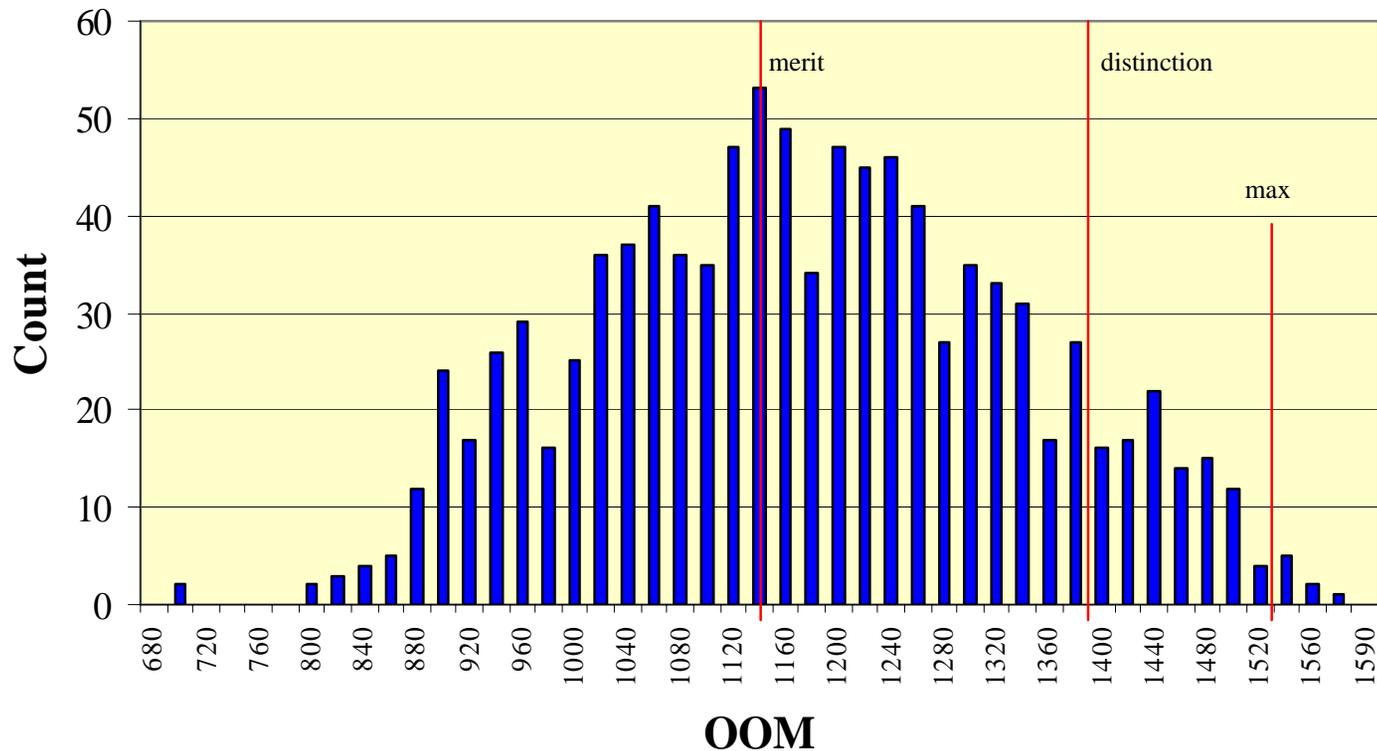
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# Overall Order of Merit

**Aggregate Multiple Distribution  
Class of 2003**





# Notes on Ordinals

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- **Most recent changes to instruction accounted for removal of PCR, graduated scale for conduct and military performance with seniority, increased weights of military performance and physical education, and added athletic performance.**



# Additional Notes

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- **OOM determines rank in class and lineal number in the Armed Forces.**
- **Used extensively in determining various prizes and awards at graduation and commissioning.**
- **Ordinals depend on aggregate scores of *all* members of a class. Computation is done only a few times each year and is *not* updated whenever a single midshipman's grade is changed.**



# Additional Notes

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- AOM is a measure of *all* grades in credit courses. PE doesn't count.
- OOM and MOM measure performance in 8 regular semesters – not summer school.
- OOM is not a weighted average of AOM and MOM. Sometimes, OOM does not lie between AOM and MOM.
- OOM entails bonuses and penalties.
- Neither OOM nor MOM consider stripes.
- Athletic performance score not well understood. Mainly a tie breaker. 1 is not equivalent to a D.
- Maximum aggregate multiple (total for OOM) may be exceeded if midshipman earns bonus points.



# Athletic Mark

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<b>Mark</b>		
<b>4</b>	<b>Varsity Sport</b>	<b>Team Captain</b>
	<b>All-American National Team Member</b>	
<b>3</b>	<b>Varsity Sport</b>	<b>Letter Winner, All-American</b>
	<b>Club Sport</b>	
	<b>National team member</b>	
<b>2</b>	<b>Varsity Sport</b>	<b>Team member, Letter Winner</b>
	<b>Club Sport</b>	
<b>1</b>	<b>Junior Varsity Sport</b>	<b>Team Member</b>
	<b>Intramural Sport</b>	<b>Participant</b>
<b>0</b>	<b>No sport</b>	