

Candidate Evaluation Worksheet: 6593 – Applied Mathematics– Stage 1 Application Review

Name (Last, First): _____

CANDIDATE HAS MET THE FOLLOWING MINIMUM QUALIFICATIONS		YES	NO
Ph.D. in mathematics or related area (a, b, e) Degree(s):			
Other requirements or licenses or experience required in job advertisement (a, b): Relevant postdoctoral, academic or industrial experience (indicate experience)			

Please rate the candidate on each item below using the following scale and specified sources of information for each judgment in parenthesis (*please see key below):

Not Qualified	Qualified	Exceptional
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1. SCHOLARLY ACTIVITIES/RESEARCH	Not Qualified	Qualified	Exceptional
<p>a. Demonstrated credentials as a mathematician (a, b, c, e, f)</p> <ul style="list-style-type: none"> Candidate has completed relevant coursework at the undergraduate and graduate levels Candidate has demonstrated achievement in research and scholarship in computational mathematics <p>____ published articles ____ articles in press ____ book chapters ____ conference presentations ____ other evidence</p> <ul style="list-style-type: none"> Other evidence demonstrating candidate’s credentials as a mathematician: 			
<p>b. Demonstrated overall strong achievement in research and scholarship (a, b, c, f)</p> <p>____ published articles ____ articles in press ____ book chapters ____ conference presentations ____ awards, honors ____ other evidence</p>			

<p>c. Candidate's proposed research program will enhance research opportunities in the Applied Mathematics Ph.D. program or in computational mathematics and complement existing strategic departmental initiatives or collaborations (a, b, c, f)</p> <p>Proposed research will support the Applied Mathematics Ph.D. program (with concentration in computational mathematics and expertise in areas such as multiscale/stochastic modelling, computational biology, material sciences, image processing, or high dimensional data analysis) (list specifics)</p> <ul style="list-style-type: none"> • Proposed research will support computational mathematics initiatives (list specifics) • Proposed research overlaps with research programs in at least one of the following areas (circle all that apply); bioinformatics, computational biology, mathematical biology • Candidate has identified potential collaborators on campus or within the region (indicate which ones) • Candidate has demonstrated expertise in the proposed research area 			
<p>d. Commitment to establishing a productive, externally-funded research program (a, b, c, d, f)</p> <ul style="list-style-type: none"> • Research ideas are sound and address important questions • Research plans indicate reasonable short-term and long-term goals • Research program is in an area of high funding priority • Description of proposed research includes plans to secure external funding from appropriate agencies • Research plans or statement of teaching philosophy and interests describe effective ways of involving undergraduate and graduate students in the candidate's research program 			

<ul style="list-style-type: none"> • Candidate has previous grant writing experience 			
3. TEACHING			
<p>a. Prior teaching/mentoring experience at the <u>undergraduate</u> level (a, b, c, d, f)</p> <ul style="list-style-type: none"> • Candidate has been an instructor for at least one undergraduate course • Candidate has been a TA for at least one undergraduate level course • Candidate has participated in other activities relevant to teaching 			
<p>b. Prior teaching/mentoring experience at the <u>graduate</u> level (a, b, c, d, f)</p> <ul style="list-style-type: none"> • Candidate has been an instructor for at least one graduate level course • Candidate has been a TA for at least one graduate level course • Candidate has participated in other activities relevant to graduate education 			
<p>c. Commitment to excellence in teaching at the undergraduate and graduate levels (a, b, d, e, f)</p> <ul style="list-style-type: none"> • Candidate’s teaching philosophy describes effective methods of engaging students in learning at the undergraduate and graduate levels • Candidate expresses an awareness of the diverse educational backgrounds and learning styles of students and the importance of addressing these differences to improve student learning and success • Candidate has engaged in professional development in the area of teaching (e.g. workshops, classes, seminars) • Candidate expresses interest in teaching appropriate courses at the undergraduate and graduate levels, and in 			

developing new courses			
d. Evidence of excellence in teaching (e.g. awards, accolades, evaluations, reviewers comments) (a,b,d,f)			
OVERALL ASSESSMENT			
<p>The successful candidate will support the mission of the Department of Mathematics and Statistics, especially initiatives in statistics or biostatistics, and will have a strong commitment to working with faculty, staff, and students from diverse backgrounds.</p>			
<p>(comments)</p>			

* <u>KEY</u> : SOURCES OF INFORMATION	a. cover letter; b. CV; c. descriptions of research plans; d. statement of teaching philosophy and interests; e. transcripts; f. reference letters
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