National Research Council (NRC) Research Doctorate Assessment

The NRC provides the most highly regarded and widely cited national rankings of graduate programs. Programs in the study will be rated, and the rankings will be made public.

It is of the highest importance for our faculty to respond. To insure that the NRC is able to properly credit all of your scholarly activity, it is imperative that you complete this questionnaire.

1. **NRC Assessment Faculty Survey Information – sent via e-mail and letter, contains your login ID and password**
2. **Faculty Tip Sheet – read before beginning**

NRC website: http://www7.nationalacademies.org/resdoc/index.html

OSU website: http://oaa.osu.edu/irp/nrc.php#taxonomy

Data Collection for 2001 to 2006

- **Collect data from institutions, doctoral programs, faculty, and students**
  - **Uniform definitions will yield comparable data in a number of dimensions**
- **Examples of data**
  - **Faculty: interdisciplinary involvement, postdoc experience, PhD trainees, citations, publications (ISI)**
  - **Students: demographic characteristics, completion rates, time to degree**
  - **Programs: Funding policies, enrollments, faculty size and characteristics, research funding of faculty, whether they track outcomes, graduate student committee demographics**

Timeline for NRC Research Doctorate Assessment

July 2006-May 2007:	**Fielding questionnaires, follow-up, quality review and validation. Competition for research papers.**
December 2007:	**Data base and NRC analytic essay released.**
December 2007-March 2008:	**Data analyses performed by commissioned researchers**
April 2008-August 2008:	**Report review and publication**
September 2008:	**Report and website release. Release conference**

Primary Area of Specialization

Pharmacy faculty are classified in the following area of specialization:

Pharmacology, Toxicology, and Environmental Health

- **Environmental Health**
- **Medicinal Chemistry and Pharmaceutics**
- **Pharmacology**
- **Toxicology**

Why not separate specializations for doctoral programs in Pharmacy?

Criteria for Taxonomy Inclusion

The criteria for inclusion is that a field must have:

- **produced at least 500 Ph.D.s over the most recent 5 years and**
- **be offered by programs that had produced 3 or more Ph.D.s in the last 3 years in at least 25 universities.**

The NRC Faculty Questionnaire: Why Your Response Matters

Program X at University X has five faculty, each of whom have published five books in the last five years. All five faculty respond to the survey.

	Books Written	Books Reported
Faculty 1	5	5
Faculty 2	5	5
Faculty 3	5	5
Faculty 4	5	5
Faculty 5	5	5
Total	25	25

The NRC study will use **5** as the average number of books written by Program X's faculty.

Program Y at University Y has five faculty, each of whom have published five books in the last five years. Only three faculty respond to the survey.

	Books Written	Books Reported
Faculty 1	5	5
Faculty 2	5	5
Faculty 3	5	5
Faculty 4	5	Did not respond
Faculty 5	5	Did not respond
Total	25	15

The NRC study will use **3** as the average number of books written by Program Y's faculty.

Impact of Interdisciplinary Programs

To address the allocation of faculty publications and citations in the case where a faculty member participates in more than one doctoral program, the NRC Committee designed a formula:

$$A_i = \frac{\left(5P_i + n_i + 5\left(\frac{d_i}{m}\right)\right)}{\sum_j \left(5P_j + n_j + 5\left(\frac{d_j}{m}\right)\right)}$$

where:

A_i = the share of publications and citations allocated to the faculty member in program i;

P_i = the number of committees in program i for which the faculty member serves as chair or principal adviser;

n_i = the number of committees in program i on which the faculty member serves in a capacity other than chair or principal adviser;

d_i = a variable that takes on the value 1 if the faculty member is a core faculty member in program i and is 0 otherwise;

m = the total number of programs where the faculty member is a core faculty member.

My Example

I participate in two research doctoral programs:

	Graduate Student Committees chaired	served
Pharmacy (medicinal chemistry)	**11**	**18**
Biochemistry (OSBP)	**3**	**4**

$$A_i = \frac{\left(5P_i + n_i + 5\left(\frac{d_i}{m}\right)\right)}{\sum_j \left(5P_j + n_j + 5\left(\frac{d_j}{m}\right)\right)}$$

Pharmacy: **5(11) + 18 + 5(1/2) = 75.5**

OSBP: **5(3) + 4 + 5(1/2) = 21.5**

A_i for Pharmacy = 75.5/(75.5+21.5) = 0.778

A_i for OSBP = 21.5/(75.5+21.5) = 0.222