QASSIM UNIVERSITY

GUIDE TO

RESEARCH CHAIRS

PROGRAM

1432 H – 2011

(1)
Preface:

The development of nations relies on two basic pillars:

1- The development of mankind resources.
2- The development of material resources.

Between both resources there are mutual interaction and relations.

Due to the wise vision of the leaders of our dear country all kinds of supports are supplied in order to raise the humanity of all citizens to the upper most levels in all fields of their life. They facilitate and offer the best opportunities for them to realize themselves in order to have their effective contribution in the overall developing plans in the kingdom.

No doubt the universities play a fundamental role in realizing the objectives of the development plans due to their contributions in transferring the knowledge and technology and making effective interactions with other civilizations. Also due to their role in preparing new national staff members who are well educated and well trained with distinction honor to face the. Different problems and to try to find objectives and creative solutions to them.

Moreover they are capable to explore the future and to achieve forthcoming developing plans which are in coincidence with the international update standards. The leadership of Qassim university are
eager to realize all quality standards in order that this university will occupy an advanced international post in the well established universities rank on the quality scale.

This means that the graduated students of Qassim University are distinguished and this also emphasizes her role in the international competition in the field of scientific research and in the overall enlightenment and community development and evolution. They also have effective role in solving the encountered problems and in taking a distinguished role in the realization of the sustainable development of the nation through the fruitful and advanced conscious partnership between the university and the different social organizations and the distinctive individuals.

Among the special activities that are offered by the deanship of the scientific research, what is called the (research chairs) to realize this effective partnership between the university and the governmental and community sector to achieve the national development plans and to support the means and methods required to realize them.
A Guide To Research Chairs Program

THE SPEECH OF HIS EXCELLENCY THE RECTOR OF QASSIM UNIVERSITY

The scientific research in the universities experiences nowadays an important stage in his history that it finds great support and super directives from the Custodian of the two Holy Mosques King Abdullah bin Abdul Aziz, and His Highness the Crown Prince who encourage the promotion of scientific research and the development of the methods of partnership between the university and the community and this is what makes Qassim University accepts and takes on the responsibility of this task and is ready to consume and direct all its physical and moral energies to realize these supreme and noble directives and make use of them under the theme of creativity and scientific innovation.

The University, believing in its vital role in the service of the community and its sustainable development has focused on the establishment of an interactive system that allows for members of the society of interest to create and establish the so-called research chairs, which are considered as one of radiation sources of knowledge, that allows researchers to focus on particular themes that serve the objectives and orientations of the research chairs and enrich the knowledge. This guide perhaps will be a key for those who want to know more about the system of research chairs program.

I ask Almighty Allah to help us all to achieve and realize all what is good. May peace and Allah' mercy and blessings be upon you.

RECTOR

KHALID BIN ABD RAHMAN AL-HAMOUDI
The research chair is a tool and an important and fundamental mean for the development of communities and for solving their problems and for developing and supporting their economies through the applied scientific productions oriented to build the knowledge– based economy that brings benefits to the community and nation.

The research chairs are considered as one of the most important sources that support and encourage the effective research mobility that contributes in supplying and offering scientific and research services with precise and well defined objectives to discuss and to solve the problems and to serve the humanity or the product of economical knowledge, it is also an important tool to enhance research and knowledge generation and to contribute to the sustainable development. Therefore, the advanced countries encourage the establishment of such chairs in their universities and urge the leaders of their society and their governmental and private institutions to support these chairs and invest in them because of their offered services and clear role in building a community of knowledge to serve the society and to realize and achieve its sustainable development.

The support of research chairs in the universities is one of the pillars that encourage the development of community partnership in scientific research and the exploitation of human and financial resources, equipments and to achieve the best use of those capabilities in order to serve the community and to transfer it into a productive society in all areas of knowledge.
I hope that the research chairs at Qassim University will act as a catalyst to activate the researches which are directed to achieve creative and innovative productions that contribute in building the economies of knowledge that supports the sustainable development and the economy of our dear country.

Vice Rector for Graduate Studies and Scientific Research-
Chairman of the Higher Committee for research chairs Program.

Prof. Abdul Rahman bin Saleh Elwasel
There is no doubt in the importance of scientific research and the active role it plays in the development of human societies occupying different position on the scale of civilization. No one can deny the importance to open up areas of creativity and excellence among the peoples of these communities and to provide them with possibilities to possess the fundamental causes of development on well established basis.

The principal obligatory to accept the scientific method to solve the everyday life problems that encounter the advance of such peoples is oriented from the fact that the scientific research is no longer a soft of welfare of academic nature practiced by a group of researchers who have been staying in the ivory towers as far as being a necessity of life that is required by the movement of technical, economical and overall social development. Thus realizing through these activities the continuity of progress process with well stable steps avoiding risk behaviors and improvised reactions without taking the scientific method to study the causes, the evolution and interaction with other effective factors.

It has been proved beyond a shadow of controversy a reasonable doubt, the need to adhere to the scientific method to achieve progress and development of civilization, which requires the necessity to be leaders in the field of modern technology. The human societies who are willing to have a post in the civilization scale, must withstand against the storms of economic fluctuations and security threats principally through encouraging the systematic scientific researches aiming to achieve the overall development.

The effective scientific research is not easy but it is not impossible, if the nation is insisting to realize it. It is not limited necessarily to try to dive into the depths of the unknown and uncover the hidden. The field of which are wide and overlapping and are in the same fabric tight and integrated system.

The scientific research chairs of the Qassim University are important means to update the groups of scientific researchers in the areas of basic scientific fields, and upgrading and improving their abilities to innovate and develop their outputs to be for the services of the
A Guide To Research Chairs Program community. This will render the development of the society and the national economy possible with increasing rate.

This also services the mission of the university and support establishing national economy based on knowledge and meets the needs of the funders and the chairs relevant individuals and organizations.

DEAN OF THE DEANSHIP OF THE SCIENTIFIC RESEARCH

PROF. YOUSEF BIN ABDULLAH AL SELEEM
Introduction

According to the directives of the patronage of the Custodian of the Two Holy Mosques King Abdullah bin Abdul Aziz, and his Crown Prince (may Allah protect them) for the advancement, support and embrace of the scientific research as a starting point for the transformation of the kingdom into society of knowledge and achieving sustainable national development in the light of the law of Islamic Shariaa which advise people to cooperate in righteousness and piety.

It also shows that Islam allows a Muslim to benefit from some work in his life and after his death. In principal the most important of such deeds are the ongoing charity and supporting scientific activities that are for the benefit and welfare of Mankind.

The Qassim University administration is eager to achieve sustainable development through research partnership with the private and governmental sectors to realize the objectives of the national plans.

The university as a starting point of this eagerness supports the distinguished academic activities the plans, the ways and means achieving these objectives. This includes attracting elite group of scientists and researchers of high national and global levels with the optimal use of the available potentialities of the university's scientists, buildings, well established labs, advanced equipments, facilities and scientific researches. Thus, the scientific chairs are considered as a successful and an effective part in the university scientific strategy and policy.

The research chairs program is considered as an essential source for the dissemination of scientific knowledge and spreading of modern technology and community development and access of scientific thinking through solutions to the existing problems in the society. These programs thus contribute effectively to achieving sustainable development.
Vision

It is excellence in enriching the scientific research in line within specified target goals in both research and knowledge domain. That is to reinforce the researching and development roles of Qassim University.

Mission

It is the activation of the specialized researching role in the university in research areas that contribute in achieving the objectives of sustainable development in Qassim region, and to establish the world of knowledge through applying the highest quality standards and providing the elements of creative research together with the activation of the partnership cooperation with business organization and social institutions.

Definition of research chair:

It is a scientific research program assigned to highly distinguished scientists and researchers, who are full of credit in outstanding research contributions of high quality and quantity in a particular field of specialization.

The concept of community partnership

It is the cohesion between the community and the university including its specialized scientific staff members, its scientific and research potentials both of theoretical and applied sides for the benefit of the society as a whole and this requires from all the members of the society and its institutions to support and encourage research and scientific studies both theoretical and applied trends, as social initiatives to serve national goals. The university embraces these supported activities and plays the role of the sponsor of such actions till they become fruitful.
Benefits attributed to the Donors

1. The chair is named in honor of the donor’s name.
2. The donor’s name is to be displayed in:
   a. The University Golden Honorary Board.
   b. The laboratory of the Research Chair.
3. The donor should be acknowledged in all publications, periodicals, bulletins, and reports.
4. Priority to benefit from the consultation and research services.
5. The donor’s name is honored in the University Shield.
6. The donor is always invited to the scientific activities related to the research chair such as conferences, seminars, or workshops.

The role of research chairs in international competitions:

The international competition in the field of research and development has become at its peak in nowadays conditions of globalism.

There is an urgent need to maintain the competitiveness ability in the field of scientific research and in the economic field especially for the major industrialized countries.

The idea of research chairs has been originated to activate the partnership between the community and universities, as well as between the universities and different scientific research institutions. Their funds are monitored from multiple sources either from the state budget or the budget of the university itself for scientific research, but the most important source and the basic source is the partnership of the community organizations and businessmen who provide financial support for the research in the field of chairs on topics which are important to them and typically deals with such problems, that is to find an objective characterized by its creativity and innovation for the benefit and interest to the supplier (donner) and the university.

Research chairs are spread in many countries of the world. The date of the research chair started during the Renaissance in England, where it was expressed as a financial prize that is devoted to a certain important scientific achievement. Perhaps, the Islamic civilization replete with wonderful examples of community partnership to support excellence and
creativity and to support science and knowledge in what is known as the permanent charity and endowments which are considered as the most important resources of education in Islamic history. The forms of the endowment and its multiple objectives are different. They all are devoted to realize the welfare and prosperity that prevail throughout the society at that time.

But now the scientific chair is treated with a more comprehensive concept as a rank of the research study in a particular area assigned to a group of the outstanding scientists and researchers covered with financial support from different resources who are of interest in the chosen field of research.

Perhaps the most famous scientific chair in the world is the chair introduced and founded by Henry Lucas at Cambridge University at the end of the seventeenth century. The chair was filled by more than 17 of scientists, the most famous one of them is Sir. Isaac Newton in the late seventeenth century.

Canada has established on ambitious program of research chairs. The number of such chairs has become more than 2000 scientific chairs by year 2011. Canadian policy aimed to double investments to support and develop the chairs program in order to become by the year 2011 within the top five in this regard. The United States of America is leader in this aspect i.e. the number of scientific chairs so far.

France is the country that amended its research program to benefit from the experience of Canada and America. As well as Japan adopted in 1987 an ambitious program of research chairs so as to maintain the second position behind the United States of America. The scramble in this competition is hold also between the United Kingdom, France, and Germany …etc.

The research chairs system has emerged in many other countries, we find, for example in South Africa more than 200 scientific research chairs and we find also an intensive scramble in this respect from China, India, South Korea and Malaysia. All of these countries try to take the causes and the factors leading to scientific progress into their consideration and to gain knowledge of modern technology.
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The kingdom of Saudi Arabia has ambitious hopes in this regard. The number of scientific research chairs in its universities is now more than 50 research chairs. The scientific research chairs in Saudi Arabia were founded first in a number of world capitals. The most important one of which is King Abdul Aziz scientific chair funded at California University in USA.

Also King Fahd chair at London University, Crown Prince Nayef chair at the University of Moscow. This is still an ambitious program in continuous progress and is continuing to pay off all the good from time to time.

The strategic objectives of research chairs program

1- To strengthen the partnership between Qassim University and different sectors of the society similar to the world's most prestigious universities, to achieve economic growth based on this partnership between the university and the community and to enrich science and scientific knowledge and practical procedures in order to achieve the goals of the knowledge-based economy.

2- To realize a linking between research outputs of the scientific chairs and the needs of the society and a link with the requirements and assets of the labor market, that are based on the scientific principals guiding such scientific and community partnership.

3- To provide financial support to encourage scientific research and conserve its continuity.

4- To create an environment that is suitable and appropriate for scientific research, to attract scientists and researchers with creative minds and distinctive competencies and abilities and skills in the field of scientific research locally and globally.

5- To coordinate the research efforts between different research departments within the university and to realize cooperation with similar various research organizations outside the university with aim to achieve the goals and objectives of the research chairs and to ensure its success.

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6- To achieve integration in the field of scientific research between the university and research institutions within and outside the university.

7- To promote and develop the culture of research, evolution, innovation, and creativity in various fields of science and human knowledge, that are related to basic and applied aspects related to the areas of interest of the chair.

8- To encourage students and graduate students to participate in the work and activities of the research chairs, and to explore the talented, creators and innovators of them. That is to attract them for the benefit of society, particularly to the funders of the research chairs.

9- To complete the characteristics and requirements of the research environment in accordance with international scientific standards, and to achieve sustainable development that ensure overall quality.

10- To invest the financial resources funded from voluntary contributions, donations and endowments to support research projects needed by the kingdom to achieve national development and to treat and address the problems of all sectors of the community in the different fields of health, economic, technology, and social affairs and others.

11- To contribute so as the Qassim University occupies an excellent international position in the unique world scale of creativity and innovation, and in the field of research and development that supports the national economy.

12- To activate the role of Qassim University to contribute to the kingdom's transformation into a society of knowledge and to realize sustainable development.

13- To attract qualified academic scientists those who are distinguished in their field of specialization, to support in the transfer of modern technology, and to participate in the development and adaptation of them to the local conditions in the Kingdom.

14- To realize the best investment for the university resources and human processing to serve the Saudi society and to study the industrial problems and that of technical productivity in it.
15- To develop and activate the movement of the scientific research in the university in all fields especially in the areas of applied science and that which address the issues of Saudi society and serve the national development.

16- To improve the level of university education and postgraduate researches for the benefit and interest of the university and the community.

17- To benefit from the outstanding academic talents with broad experience to develop the knowledge and science within the university which makes it possible to build distinctive research fronts of reference rank, who contribute in solving the community problems and push the development process.

18- To support the infrastructure for scientific research within the university by the contribution of the universities scientific skills and equipments and modern techniques and well established labs.

19- To realize the best investment of the university human resources and processing sectors in addressing issues of community and industrial productivity.

**Mechanisms to assess the performance**

**Of the research chair:**

The performance of this program is evaluated annually qualitatively and quantitatively to estimate the level of its outputs using the following evaluation indicators:

- The number of the registered patents.
- The number of published articles in local or international periodicals or magazines.
- The number of papers introduced and published in national and international conferences.
- The number of seminars and workshops organized by the chair and their importance.
- The number of the individuals who are trained, or received graduated degrees.
The number of scientific and technical consultations provided and offered by the chair.

Elements of success of the research chair:

The main parties of this scientific project are the reason of its required success mainly:

- The society and its needs, priorities and plans.
- The university administration including all of its systems, people, and powers that make up the mentality of working within the university, besides the surrounding environment in which all existing activities plays a vital role, in addition to all its capabilities and that which can be provided to all these activities.
- The institutions or individuals (financiers) of research chairs, and their aspirations and ambitions associated with their donations and investments that they submit in support of the chair activities.
- Researchers who will work to generate the desired knowledge, and what they need to do so.

Beneficiaries of the given knowledge who are able to employ them, and not necessarily those of the financiers of the chairs. The supporters may be from other agencies, and organizations. These organizations may support in the future new chairs when they become convinced of the chairs benefits.

There is no doubt that the success of the scientific chairs program is a success for all parties sharing in these chair activities and this success lies in the role of each of them in the context of the society, there are priorities, plans and it is the duty of the chairs programs to provide new knowledge that contribute to the implementation of the requirements of these plans.

In order that the chairs have contribution to the development, it is necessary to provide researches that lead to get new products and services which in turn limit the import and export processes and allow the
employment labor and exploit the available resources and also reduce the drain of the limited resources.

The university administration and management having the major positive influence in the work of the chairs must avoid the managers of these chairs any impediments limiting their abilities to achieve success.

One of the things that are worth bearing in mind in this context, is the issue of "Graduate" studies. The scientific research is the fundamental criterion of the high studies criterions and standards.

The university in this framework has to respond to the desire of those involved in the research chair program who represents a selected group of scientists and has to realize their desire to accept students for graduate programs and to modify these programs so that there will be "scientific research degrees" for the Master's and Ph.D. degrees as in many prestigious European universities as well as in the establishment of partnership agreements with international universities to grant scientific degrees in a joint scientific points of research. The researchers who have productive abilities in the international universities are often graduate students who have the potentials necessary to perform a research and have leadership characteristics and research experts.

It is the duty of other parties to work positively and with flexibility also to achieve the desired goals.

Here the need for an additional principal partner arises to work with other parties and to be a judge for the chair plans performance and achievements and to be an arbiter between the various parties in the case of disagreements or objections.
These figures can be formulated as committees of experts who oversee their control and supervise chairs expectations and the resulting progresses and achievements.

A great hope is expected for an active role in the project of scientific research chairs at the University of Qassim, and that this program will contribute in building a knowledge-based society.

Research areas of the scientific chairs at the university of Qassim:

Qassim University is considered as a fertile ground and a good research environment to perform scientific researches and studies either of theoretical or applied nature, and to play an effective role in the overall academic skeleton and structure leading researches in different fields as follow:

1- Islamic law (Shariaa), represented by the faculties of Shariaa and Islamic studies, Dawaa and Theology.

2- Education in the affairs of university education, curriculum planning teaching methods and means.

3- The historical, geographical, social, media and communication studies, represented by the Faculty of Social Sciences.

4- Linguistic studies and literary translation, represented by the Faculty of Arabic language and the Faculty of language, and Translation.

5- Economic, administrative financial studies represented by the college of Business Administration and Tourism.
6- Medical research is represented by the Faculty of Medicine, and the Faculty of Applied medical sciences, College of pharmacy, Faculty of Dentistry, Faculty of Health Administration and the College of Nursing.

7- Engineering studies is represented by the Faculty of Engineering, College of Computer and College of Environment Design.

8- Basic science studies and is represented by the Faculty of Applied Science.

9- Research and studies of medicine and veterinary, are represented by the College of Agriculture and Veterinary.
Steps to submit a proposal for a new research chair

For a chair funded from outside the university

Proposal for a new research chair from a donor

Trustee of S.Ch. Program

University Rector

Research Chairman of the Supreme Council of Research Chair Program
Relative to a staff member or a group or researchers within the university

Submission of a proposal for a new research chair from a staff member or a group or researchers within the university

Dean and Faculty council

Head of

A specialized committee from the Dept. and the Dept council

Trustee of R.

Supreme council of research chairs

Research chair
Referring to the decision (13-11-1431/1432 H) of the council of the Qassim University in 23/7/1432 H:

1- The supreme council performs its responsibilities nowadays as a permanent council until the availability of five research chairs.
2- The dean of the deanship of scientific research plays the role of the trustee for the research chairs program until the availability of five research chairs.
**Actions in support of a research chair**

**Within the university:**

1- The desire to build a chair or support it has to be sent as a letter (for support) to the Rector of the university or the president of the Supreme Committee for research chairs program.

2- The secretariat of the chair program announces for the chair asking from the staff professors to submit proposals on the subject of the chair.

3- The secretariat of the program begins to choose the appropriate research team.

4- A connection with the supporting side is held by the deanship of the scientific research chairs and arrangements and coordinative steps to be carried out such as a visit to the donner side, introducing him an overview of the chairs in general, and introducing him a proposal prepared for the support.

5- When the approval of the donner is given, to support the chair, a suitable interview is suggested to be held between the university representative (The Rector of the University) and Supporting Donner to sign a contract between them.

6- The donner is addressed to thank him for supporting the delivery of the first installment or delivery of the full amount of agreed support.

7- An internal contract is then signed to start the internal scheduling of work and the budget of the chair with the researcher or the president (professor) of the chair who was suggested in priority as a candidate to supervise the considered chair.

**Required forms:**

1- A research chair proposed model in Arabic or in English.

2- Presentation of the proposal to be submitted to the Donners and Business men in Arabic