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## **Classification of Research**

According to the purpose/s for which it is undertaken

- Basic Research
- Applied Research

### **Basic Research**

- research that seeks knowledge for its own sake
- aimed toward discovery of basic truths or principles
- oriented towards testing and development of a theory or a model to explain some relationship among persons, events or phenomena
- usually conducted in laboratories
- seeks to understand a process or subject with little expectation of a direct payoff

### **Applied Research**

- done to discover something with practical use
- conducted to solve or evaluate something of interest
- designed to produce something that can remediate a given situation
- verifies existing theories or test new ones through the use of empirical or actual field data

### **Applied Research**

- Action Research
  - applied research that involves application of scientific method to respond to an immediate need or improve existing practices
- Operations Research
  - aimed at tackling an on-going problem within an organization
- Performance Research
  - generated data from interviews used in the analysis to arrive at the answers to the problems under study

According to the purpose/s for which it is undertaken

- Pure Research
  - research arising out of perceived needs of the discipline where empirical data does not exist
- Basic Research
  - empirical data is present aimed at prescribing a solution to a practical problem

### According to statistical content

- Qualitative
- Quantitative

### Qualitative Research

- approach to structuring knowledge that utilizes methods of inquiry that emphasizes subjectivity and the meaning of the experience to the individual
- based on individual's experience and reality
- uses biographies, feelings, views and ideas of individuals

### Qualitative Research

- Phenomenological
  - emphasizes the meaning of a social behavior of a person
  - based on the fact that any given act performed by an individual creates a unique reality in that person
- Ethnographic
  - involves a study individual artifacts or documents in natural setting
- Ground Theory Methodology
  - develops theory by drawing heavily on detailed social data to explain some phenomenon
- Triangulation
  - combines several data and employs different methods that enable the researcher to come up with a fuller description of a phenomena

### Quantitative Research

- determines how much of a given behavior, characteristics or phenomenon is present
- emphasizes objectivity, precision and rigorous measurements, structured data gathering

### According to time element

- Historical
  - "what was"
- Descriptive
  - "what is"
- Experimental
  - "what will be"

### Sample Titles

- The Impact of Sleep Deprivation among Selected Clients
- The Behavior of Three Year-Old Children Who Are Entering Nursery School for the First Time
- Anti-Bacterial Properties of Virgin Coconut Oil on Methicillin-Resistant *Staphylococcus aureus* and Vancomycin-Resistant *Enterococcus*
- Performance of the Medical Technology Graduates in the Licensure Examinations (2000-2005)
- Survey on the Use of Medicinal Drugs by Community Healers in the Province of Batangas
- Effect of the Advanced English Proficiency Course in the Nurses' Board Exam

## Sample Titles

- The Importance of Internship in the Medical Technology course
- The Sexual Behavior of a Drug Addict
- Development of Leather Substitutes
- Effectiveness of Cobalt Treatment for Patients with Acute Lymphocytic Leukemia Type 1
- The Competitive Posture of Lyceum of Batangas for the University Status
- The Accreditation Readiness of the College of Medical Technology
- Level of Spirituality of the Faculty Members of Lyceum of Batangas

## Sample Titles

- Lyceum of Batangas: 40 Years of Glorious and Colorful History
- Asymptomatic Bacteriuria of Women of Child-Bearing Age in Barangay Wawa, Batangas City: Basis for Community Extension Project of the College of Medical Technology
- A Decade of Research in the College of Medical Technology of Lyceum of Batangas (1992-2002)
- The Subli Dance: Reflection of the Batangueño's Soul and Artistry

## Uses/Purpose of Research

- Explores some possible solutions to existing problems
- Describes, records and explains some existing phenomenon and its underlying causes
- Predicts and controls phenomenon through the use of previous scientific investigations
- Provides new knowledge, truths and principles or laws to guide the practice of various professions
- Contributes to the progress and development of society

## Research and Development

- Describes and analyzes existing socio-economic conditions
- Serves as inputs when planning and designing programs
- Particular needs of the community is assessed
- Guides the proper implementation of projects or programs
- Helps in the efficient monitoring of projects
- Determines effectiveness of a project